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THESE PLANS ARE CERTIFIED AND DESIGNED FOR THIS STRUCTURE LOCATED AT THIS ADDRESS/LOT LOCATION ONLY. TO USE THESE PLANS TO BUILD IN OTHER LOCATIONS AND AVOID ANY COPYRIGHT OR LICENSE INFRINGEMENT, IT IS NECESSARY TO CONTACT MARTIN ENGINEERING, LLC. TO RECEIVE A SITE SPECIFIC DESIGN AND RELEASE FOR ANY EXTENDED USAGE.

CONSTRUCTION PLANS OF SINGLE FAMILY HOME 1256 S.W. SCRUBTOWN ROAD FORT WHITE, FL 32038

GENERAL NOTES

- IT IS THE INTENT THAT THIS WORK BE IN CONFORMANCE WITH THE 2023 FLORIDA BUILDING CODE, 8th ED. RESIDENTIAL AND ALL AUTHORITIES HAVING JURISDICTION OVER THIS TYPE OF CONSTRUCTION AND OCCUPANCY. CONTRACTOR SHALL DO THEIR WORK IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOBSITE PRIOR TO COMMENCING WORK. CONTRACTOR SHALL REPORT ALL DISCREPANCIES THE DRAWINGS AND EXISTING CONDITION TO THE ENGINEER PRIOR TO COMMENCING WORK.
- THESE DOCUMENTS, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ENGINEER AND MAY NOT BE USED OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT OF THE ENGINEER.
- ALL DETAILS AND SECTIONS SHOWN ON THESE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- CONTRACTOR WILL INCORPORATE ALL NECESSARY LOCAL/STATE/FEDERAL BUILDING, FIRE, AND HANDICAP CODES INTO THE DESIGN AND BASE PROPOSAL FOR A COMPLETE TURN-KEY PROJECT.
- PROJECT SHALL BE TURNED OVER TO OWNER IN A CLEAN CONDITION WITH ALL TRASH AND DEBRIS REMOVED FROM SITE. ALL WINDOWS AND CLASS CLEAN, ALL FLOORS CLEAN, ALL HORIZONTAL SURFACES DUSTED AND CLEANED, AND ALL PLUMBING AND TOILET FIXTURES CLEAN AND IN GOOD WORKING ORDER. CONTRACTOR SHALL HAUL ALL RUBBISH FROM SITE ON A REGULAR BASIS. DO NOT ALLOW TO ACCUMULATE.
- CONTRACTOR TO OBTAIN ALL PERMITS, PAY ALL FEES AND TAXES. CONTRACTOR SHALL GUARANTEE ALL MATERIALS & WORKMANSHIP FREE FROM DEFECTS. FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM THE DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE ION AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- DIMENSIONS INDICATED ON THE DRAWINGS IN REFERENCE TO EXISTING CONDITIONS ARE THE BEST AVAILABLE DATE OBTAINABLE, BUT ARE NOT GUARANTEED. BEFORE PROCEEDING WITH ANY WORK DEPENDENT ON THE DATA INVOLVED, THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS, GRADES, LINES, LEVELS, OR OTHER CONDITIONS OF LIMITATIONS AT THE SITE TO AVOID CONSTRUCTION ERRORS. IF ANY WORK IS PERFORMED BY THE CONTRACTOR OR ANY OF HIS SUBCONTRACTORS PRIOR TO ADEQUATE VERIFICATION OF APPLICABLE DATA, AT RESULTANT EXTRA COST FOR ADJUSTMENT OR WORK AS REQUIRED TO CONFORM TO EXISTING LIMITATIONS, SHALL BE ASSUMED BY THE CONTRACTOR WITHOUT REIMBURSEMENT OR COMPENSATION BY THE OWNER.
- A DESIGNATED LOCATION FOR STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT SHALL BE DETERMINED BY THE OWNER AND IDENTIFIED AT THE PRE-CONSTRUCTION MEETING.
- CONTRACTOR PERSONNEL ARE CONFINED TO AREAS OF BUILDING NECESSARY FOR COMPLETION OF WORK. FREE ACCESS TO ALL PARTS OF THE BUILDING IS NOT ALLOWED.
- CONTRACTOR IS RESPONSIBLE FOR SCHEDULING DELIVERY, RECEIVING, UNLOADING, UNCRATING, SORTING, SETTING IN PLACE, AND PROTECTING FROM DAMAGE ALL NEW EQUIPMENT FURNISHED BY THE CONTRACTOR. THIS SHALL ALSO APPLY TO ITEMS FURNISHED BY THE OWNER TO THE CONTRACTOR.
- TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION. UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS ESTABLISHED BY FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- TERMITE PROTECTION TO BE DONE AFTER ALL EXCAVATION, BACKFILLING AND COMPACTION IS COMPLETE. ANY DISTURBED SOIL TREATMENT MUST BE RETREATED.
- TREATMENT SHALL BE PROTECTED FROM RAINFALL BY 6 MIL VAPOR BARRIER. IF RAINFALL OCCURS BEFORE BARRIER PLACEMENT, SOIL MUST BE RETREATED.
- PROTECTIVE SLEEVES AROUND METALLIC PIPING PENETRATING CONCRETE SLAB-ON-GRADE FLOORS SHALL BE NON-CELLULOSE CONTAINING MATERIALS AND RECEIVE AN APPLICATION OF TERMITICIDE IN ANNULAR SPACE BETWEEN SLEEVE AND PIPE.

ELECTRICAL NOTES

- ALL ELECTRICAL WIRING TO BE IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE, 8th EDITION, RESIDENTIAL AND NFPA 70 2023 NATIONAL ELECTRIC CODE (NEC).
- ALL SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS SHALL BE IN ACCORDANCE WITH THE 2023 FBC R314 & R315.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ARC-FAULT CIRCUIT INTERRUPTERS IN LIVING, DINING, HALLWAYS, AND BEDROOMS PER NEC 210.12(A)
- ELECTRICAL CONTRACTOR SHALL PROVIDE GROUND-FAULT CIRCUIT INTERRUPTERS IN KITCHENS, BATHROOMS, KAUNDRY, GARAGES, AND OUTDOORS PER 2023 NEC 210.8 (A).
- ALL OUTDOOR RECEPTACLES SHALL BE PROTECTED FROM MOISTURE PER 2023 NEC 406.9
- ALL PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL COMPLY WITH THE MINIMUM REQUIREMENTS PER FBC-ENERGY CONSERVATION R404.
- STAIRWAY ILLUMINATION FOR BOTH INTERIOR AND EXTERIOR STAIRWAYS SHALL BE IN ACCORDANCE WITH THE 2023 FBC R303.7 & R303.8

MECHANICAL NOTES

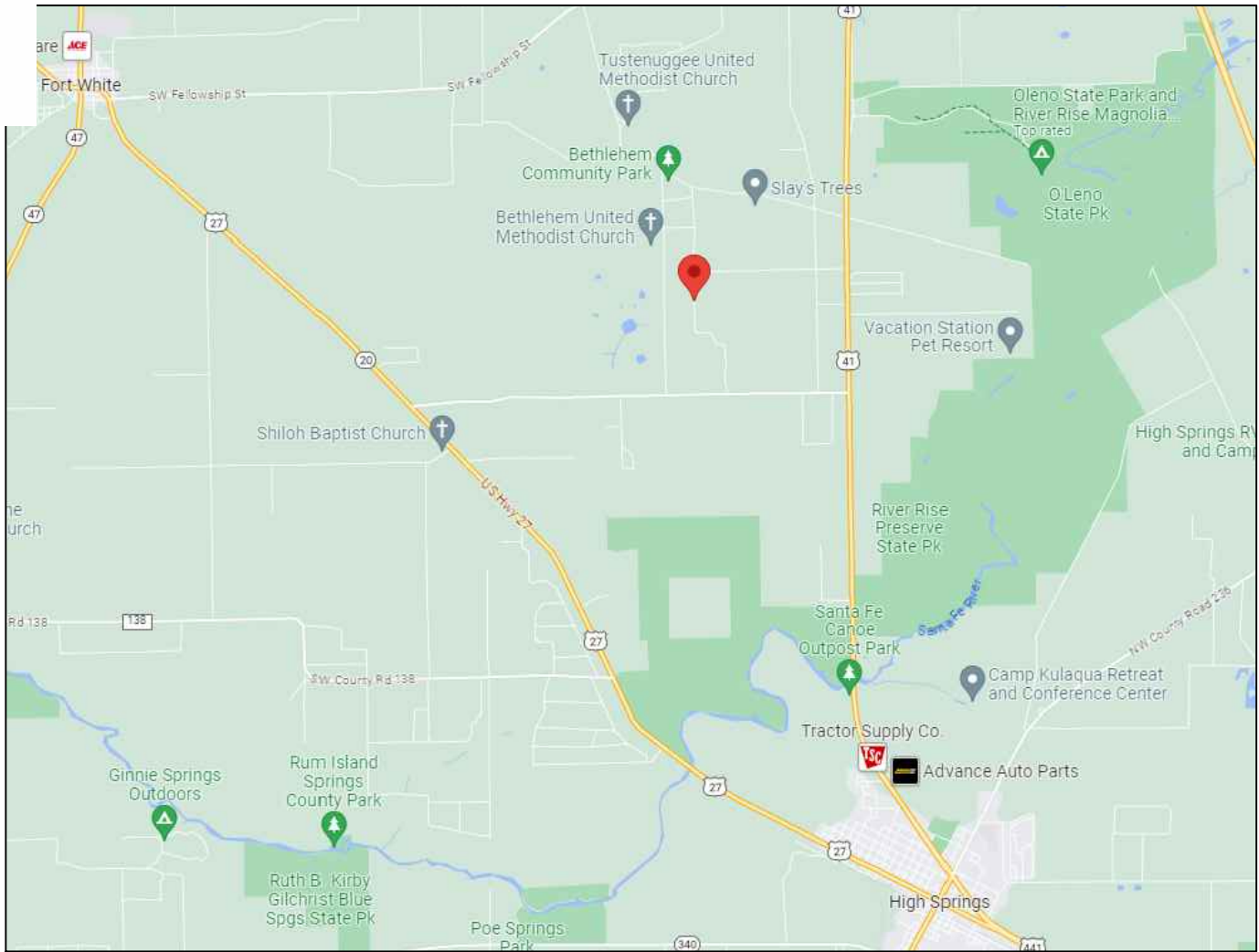
- ALL DUCT SIZING SHALL BE IN ACCORDANCE W/ ACCA MANUAL "D". PROVIDE DUCT TESING IN ACCORDANCE W/ ASHRAE STANDARD 152.
- DUCT LAYOUT AND ALL OTHER MECHANICAL COMPONENTS ARE SHOWN ON THE APPROVED DUCT LAYOUT PLAN INCLUDED IN THE ENERGY CALCULATION PACKAGE PERFORMED BY OTHERS.
- ALL DUCTS & AIR HANDLERS NOT LOCATED IN CONDITIONED SPACE SHALL BE TESTED TO BE "SUBSTANTIALLY" LEAK FREE.
- DUCTS IN GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE INSTALLED ACCORDING TO FBC R302.5.2
- VENTILATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2023 FBC R303.
- ALL INSULATION SPECIFICATIONS ARE INCLUDED IN THE ENERGY CALCULATION PACKAGE PERFORMED BY OTHERS. IF ANY INSTALLED INSULATION MATERIALS DO NOT MATCH THE ENERGY FORMS, NEW CALCULATIONS SHALL BE PERFORMED OR THE ORIGINAL APPROVED INSULATIONS SHALL BE INSTALLED.

PLUMBING NOTES

- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST-CLASS WORKMANLIKE MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIVE.
- ALL EXCAVATION & BACK FILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO A VOID INTERFERENCE WITH THE PROCESS OF CONSTRUCTION.
- VERIFY LOCATION, SIZE, TRAPS, INVERTS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ADVISE ENGINEER OF ANY DISCREPANCIES. ANY COST RES UL TING FROM DISCREPANCIES NOT REPORTED AT THIS TIME SHALL BE PAID BY THE CONTRACTOR.
- WATER PIPING TO BE CROSS-LINKED POLYETHYLENE PIPE (PEX), PVC, OR TYPE "M" OR TYPE "L" COPPER ABOVE OR BELOW GRADE. ALL PIPING SHALL BE IN ACCORDANCE WITH SECTION P2906.4 OF THE 2023 FLORIDA BUILDING CODE, RESIDENTIAL.
- SOIL, WASTE & VENT PIPING TO BE PVC. #40 DVM.
- ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS
- WHERE DISSIMILAR METALS ARE TO BE JOINED, APPROVED INSULATING UNIONS SHALL BE USED.
- INSULATE HOT WATER LINES WITH 1" THICK SNAP ON INSULATION FIRST 8 FEET FROM WATER HEATER.
- CONDENSATE LINES TO BE COPPER/PVC DEPENDING ON PROJECT REQUIREMENTS.
- INSULATE WITH 1/2" THICK ARMAFLEX INSULATION.

BUILDING STRUCTURE INFORMATION

CONDITIONED SPACE:.....1,470 S.F.
UNCONDITIONED SPACE:.....562 S.F.
TOTAL SPACE:.....2,032 S.F
CONDITIONED VOLUME.....15,348 S.F
TYPE OF CONSTRUCTION.....5B
OCCUPANCY:.....R-3
FIRE SPRINKLERS:.....NO
MAX HEIGHT OF STRUCTURE.....<20'



VICINITY MAP

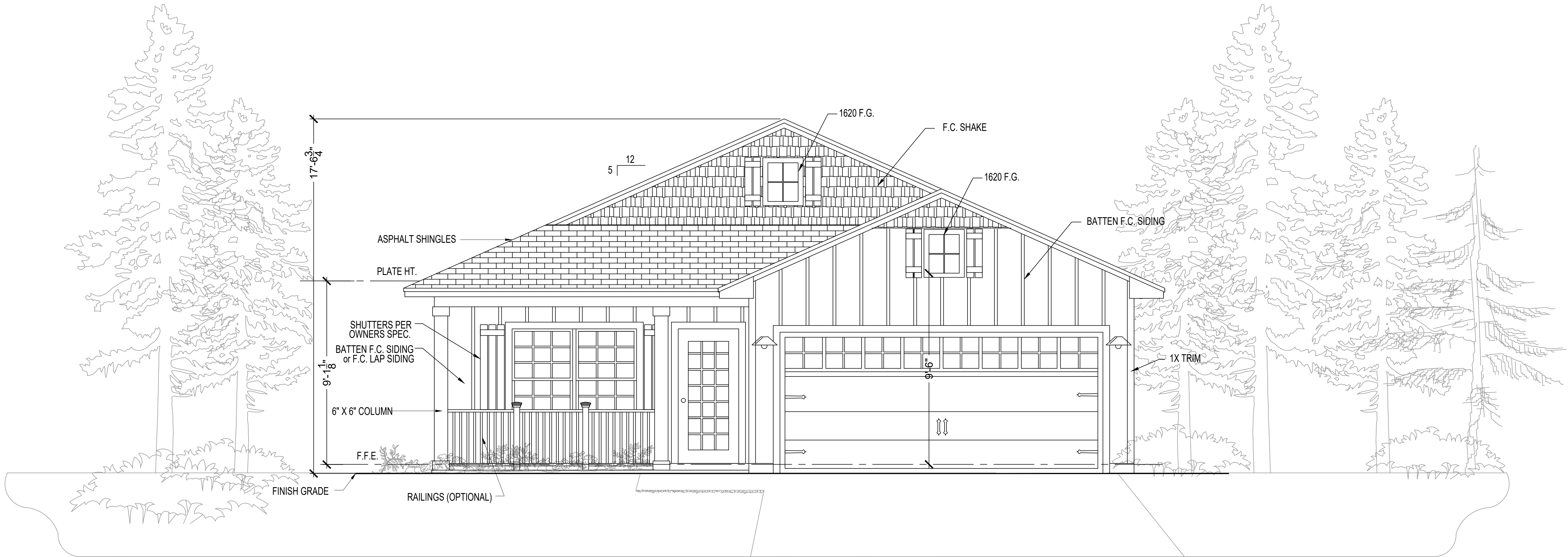
SHEET NO.

TITLE

--	GENERAL NOTES
A-1	ELEVATIONS
A-2	FLOOR PLAN
A-3	ROOF/ELECT. PLAN
A-4	PLUMBING PLAN
A-5	FLASHING DETAILS
S-1	STRUCTURAL NOTES
S-2	FOUND./FRAMING PLAN
S-3	ROOF TRUSS LAYOUT
S-4	STRUCTURAL DETAILS

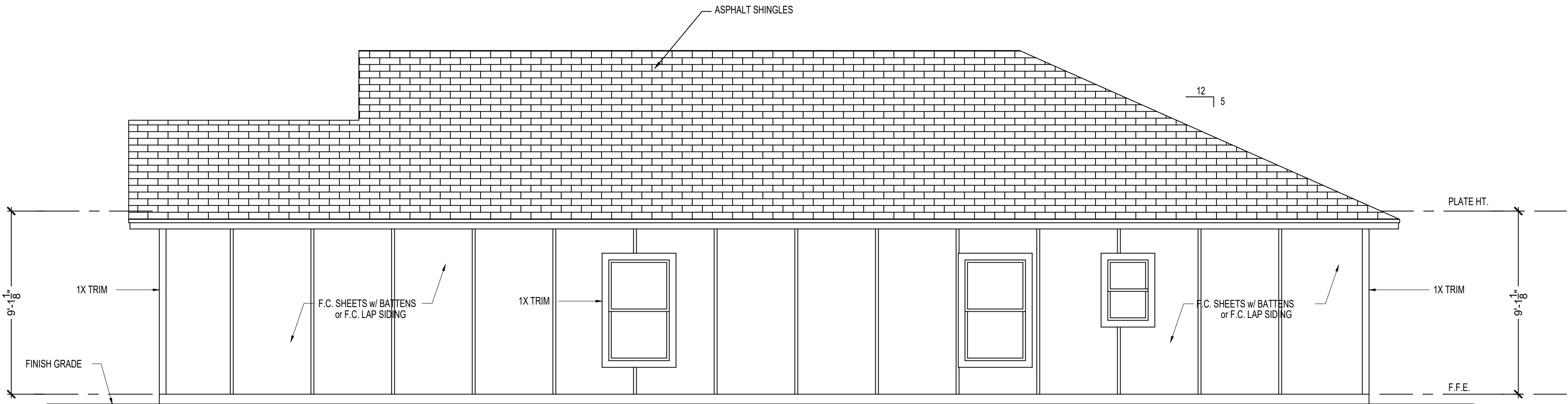
Digitally signed by Kevin C Martin
Date: 2024.09.17 16:13:16 -0400
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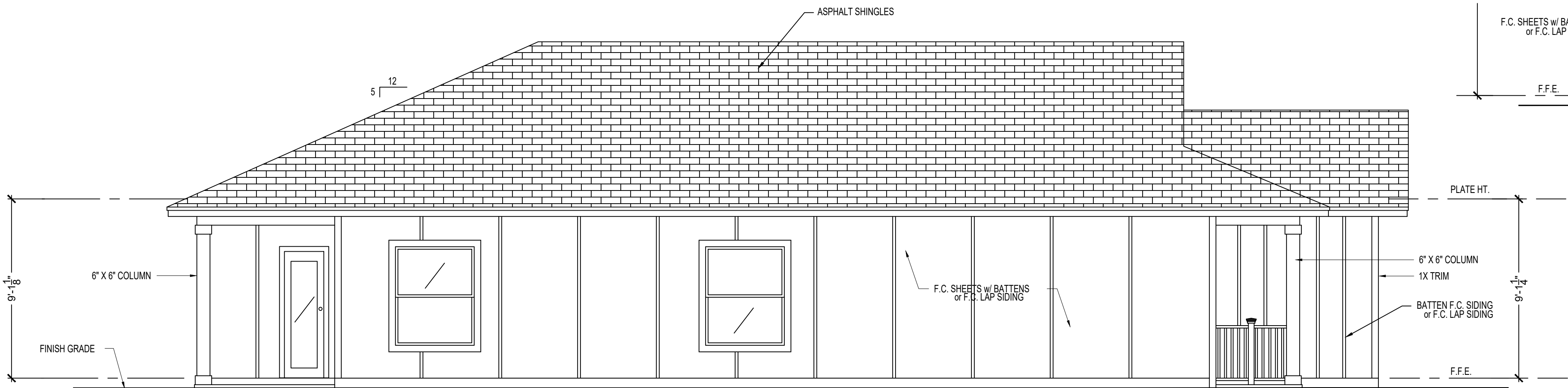
FRONT ELEVATION

3/8" = 1'-0"



RIGHT SIDE ELEVATION

1/4" = 1'-0"



LEFT SIDE ELEVATION

1/4" = 1'-0"



REAR ELEVATION

1/4" = 1'-0"

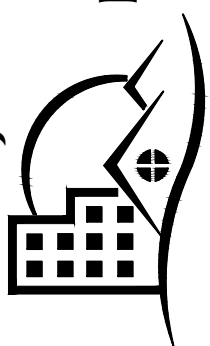
REVISIONS

No.	DESCRIPTION	DATE

ELEVATIONS

NEW SINGLE FAMILY
1256 S.W. SCRUBTOWN RD.
FORT WHITE, FL 32038

MARTIN ENGINEERING, LLC.
450 STATE ROAD 13 N., #106-387
JACKSONVILLE, FL 32259
904-472-1459
FL C.A.# 32027



PROJECT #: 23-1004

DESIGNED: KCM

DRAWN: KCM

SCALE: AS NOTED

ISSUED: 10/29/23

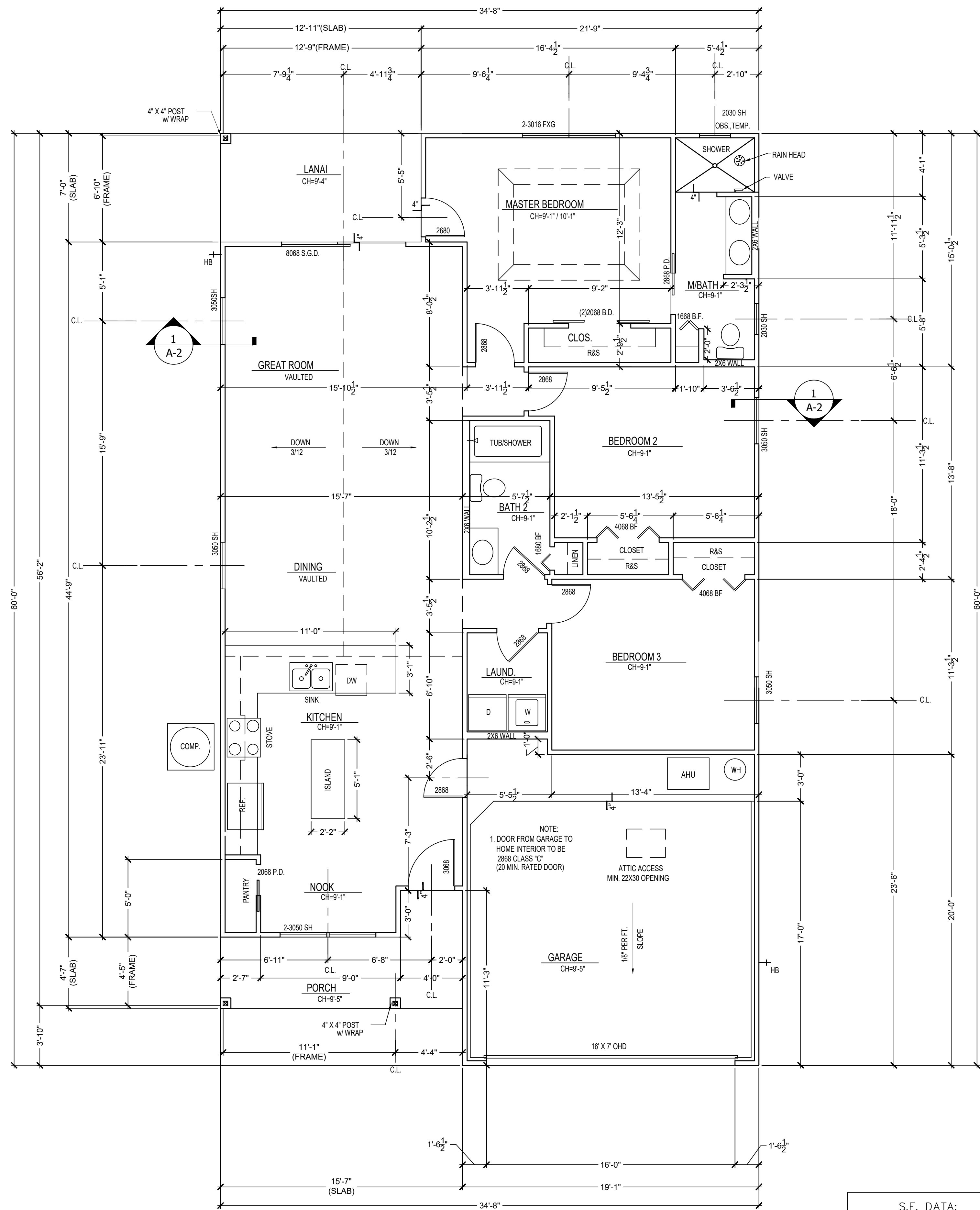
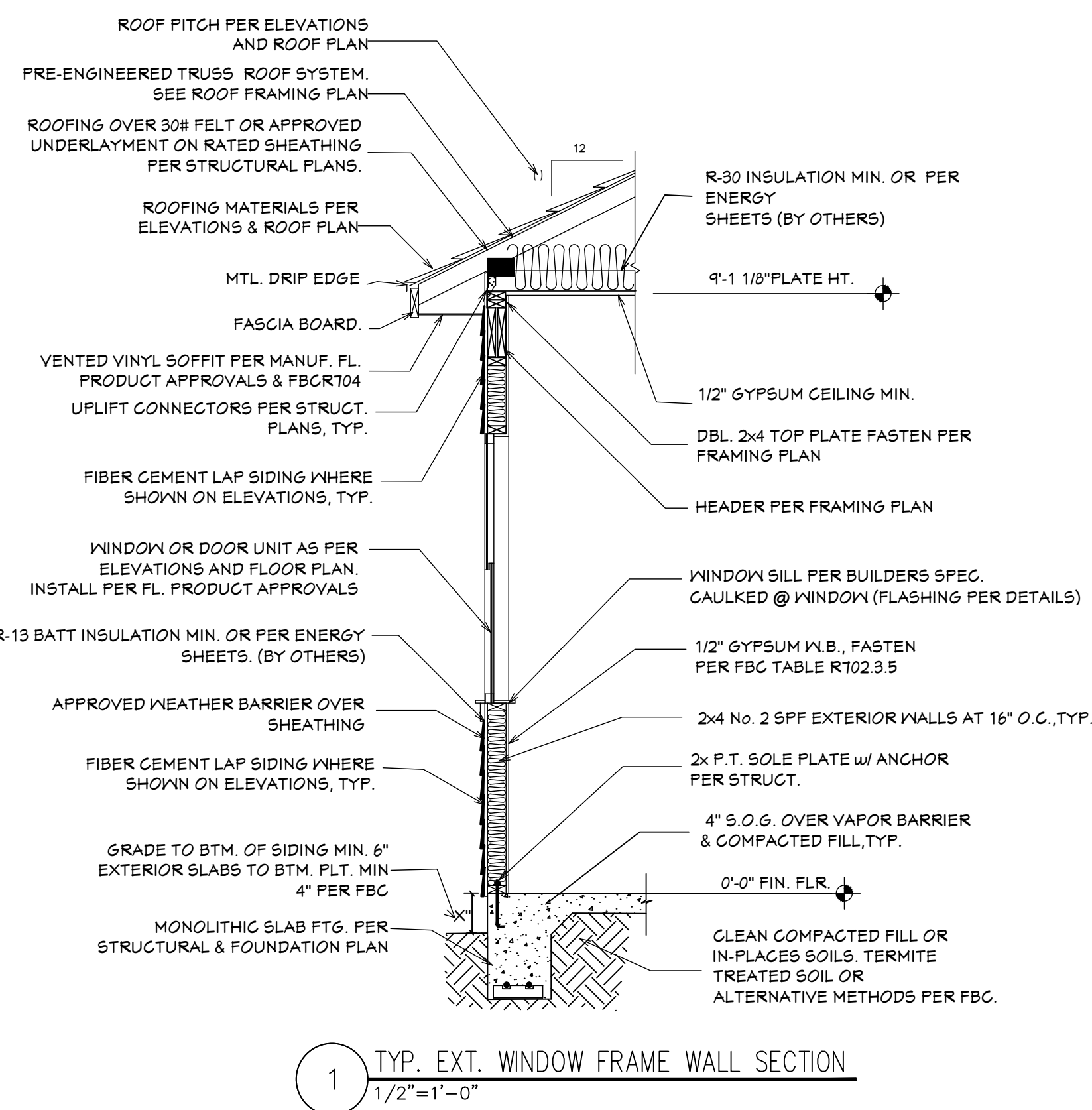
REVISION-1: 5/17/24

REVISION-2:

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SHEET

A-1



FLOOR PLAN

$$1/4'' = 1'-0''$$

S.F. DATA:	
HEATED:	1,470 SF
GARAGE:	380 SF
PORCH:	85 SF
LANAI:	97 SF
TOTAL:	2,032 SF
COND. VOL:	13,348 CF.

REVISIONS		
No.	DESCRIPTION	DATE

FLOOR PLAN

NEW SINGLE FAMILY
1256 S.W. SCRUBTOWN RD.
FORT WHITE, FL 32038



MARTIN ENGINEERING, LLC.
 450 STATE ROAD 13 N., #106-387
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A-2

$$1/4'' = 1'-0''$$

NOTE:
THE ABOVE ROOF DATA DOES NOT INCLUDE ROOF PITCH FACTORS & CONSTRUCTION WASTE.

VENTILATION REQUIRED:

ATTIC SPACE = 2,265 SQFT
2,265 / 300 = 7.55 SQFT
7.55 X 144 = 1,087.2 SQIN
1,087.2 X 0.5(50%) = 543.6 SQIN NET FREE ROOF VENT REQ'D
1,087.2 X 0.5(50%) = 543.6 SQIN NET FREE SOFFIT VENT REQ'D

UPPER ROOF VENT SPECS:

4'-0" VENT PROVIDES 144 SQIN NET FREE SPACE
6'-0" VENT PROVIDES 216 SQIN NET FREE SPACE
8'-0" VENT PROVIDES 288 SQIN NET FREE SPACE

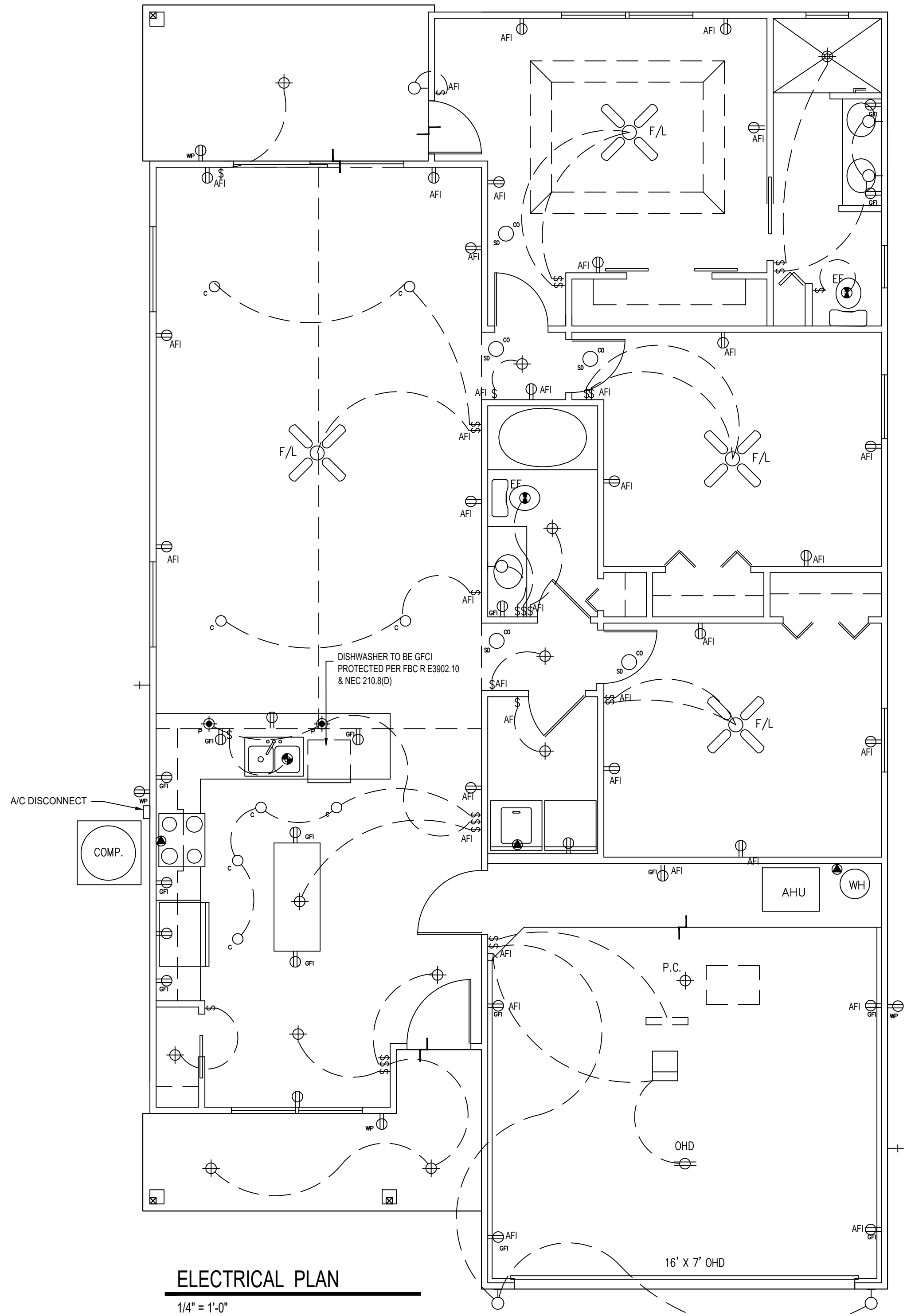
UPPER ROOF VENT REQUIREMENTS:

(4) 4'-0" VENT @ 144 SQIN = 576
(0) 6'-0" VENT @ 216 SQIN = 0
(0) 8'-0" VENT @ 288 SQIN = 0
TOTAL = 576 SQIN NET FREE AREA PROVIDED > 543.2 SQIN REQUIRED

SOFFIT VENTS REQUIREMENTS:

LIN. FT. OF SOFFIT AVAILABLE = 200'
AIR FLOW PER LIN. FT. = 5.89 SQIN
TOTAL = 1,178 NET FREE SOFFIT AREA PROVIDED > 543.6 SQIN REQUIRED

VENTILATION REQUIREMENTS SHALL BE IN ACCORDANCE W/ SECTION R806.1 OF THE 2023 RESIDENTIAL FLORIDA BUILDING CODE.



	DUPLEX CONVENIENCE OUTLET AFCI		EXHAUST FAN / LIGHT
	WEATHERPROOF DUPLEX OUTLET GFCI		DOUBLE FLOOD LIGHTS
	HALF-SWITCHED DUPLEX OUTLET		TELEPHONE JACK
	220 VOLT SERVICE CONNECTION		CABLE TELEVISION JACK
	LIGHT SWITCH		COMBINATION SMOKE DETECTOR CARBON MONOXIDE DETECTOR
	3-WAY SWITCH		WALL MOUNTED LIGHT
	CEILING LIGHT		THERMOSTAT
	RECESSED LIGHT		ELECTRICAL SERVICE ENTRANCE
	CEILING FAN		PENDANT LIGHT
	UNDERCOUNTER LIGHT		FLOURESCENT LIGHT
	EXHAUST FAN		
	DISPOSAL		

NOTES: 1. 100% PERCENT OF PERMANENTLY INSTALLED INTERIOR AND EXTERIOR FIXTURES SHALL USE CFL/LED LAMPS.

ELECTRICAL CONTRACTOR SHALL PROVIDE ARC-FAULT CIRCUIT INTERRUPTERS IN ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE PHASE, 15 & 20 AMP OUTLETS IN LIVING ROOMS, DINING ROOMS, HALLWAYS, AND BEDROOMS PER NEC 210.12 (A)

ALL PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL COMPLY WITH THE MINIMUM REQUIREMENTS FOR HIGH-EFFICACY LAMPS PER FBC-ENERGY CONSERVATION R404.

1. ALL ELECTRICAL WIRING TO BE IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE, 8th EDITION AND 2023 NATIONAL ELECTRIC CODE (NEC)
2. ALL SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS SHALL BE IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE, 8th EDITION
3. ELECTRICAL CONTRACTOR SHALL PROVIDE ARC-FAULT CIRCUIT INTERRUPTERS IN LIVING, DINING, HALLWAYS, AND BEDROOMS PER NEC210.12 (A)
4. ALL OUTDOOR RECEPTACLES SHALL BE PROTECTED FROM MOISTURE PER 2023 NEC 406.9
5. ALL PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL COMPLY WITH THE MINIMUM REQUIREMENTS PER FBC-ENERGY CONSERVATION R404.
6. ALL DUCT SIZING SHALL BE IN ACCORDANCE W/ ACCA MANUAL "D". PROVIDE DUCT TESTING IN ACCORDANCE W/ ASHRAE STANDARD 152.
7. ALL DUCTS & AIR HANDLERS NOT LOCATED IN CONDITIONED SPACE SHALL BE TESTED TO BE "SUBSTANTIALLY" LEAK FREE.
8. DUCTS IN GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE INSTALLED ACCORDING TO FBC R302.5.2

REVISIONS		
No.	DESCRIPTION	DATE

ROOF/ELECTRICAL PLAN

NEW SINGLE FAMILY
1256 S.W. SCRUBTOWN RD.
FORT WHITE, FL 32038

MARTIN ENGINEERING, LLC.
450 STATE ROAD 13 N., #106-387
JACKSONVILLE, FL 32259



PROJECT #: 23-1004

DESIGNED: KCM

DRAWN: KCM

SCALE: AS NOTED

ISSUED: 10/29/23

REVISION-1: 5/17/24

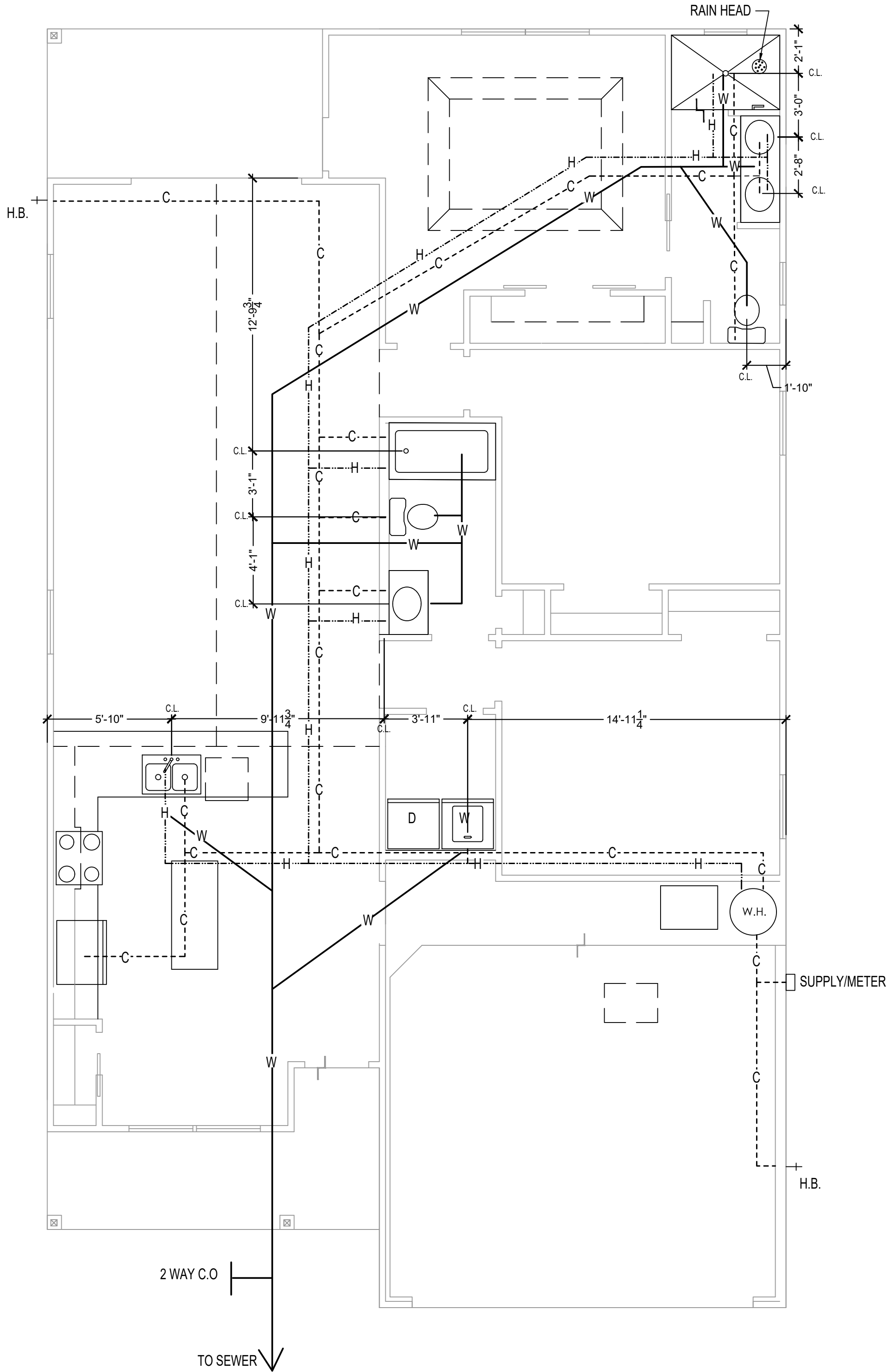
REVISION-2:

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A-3

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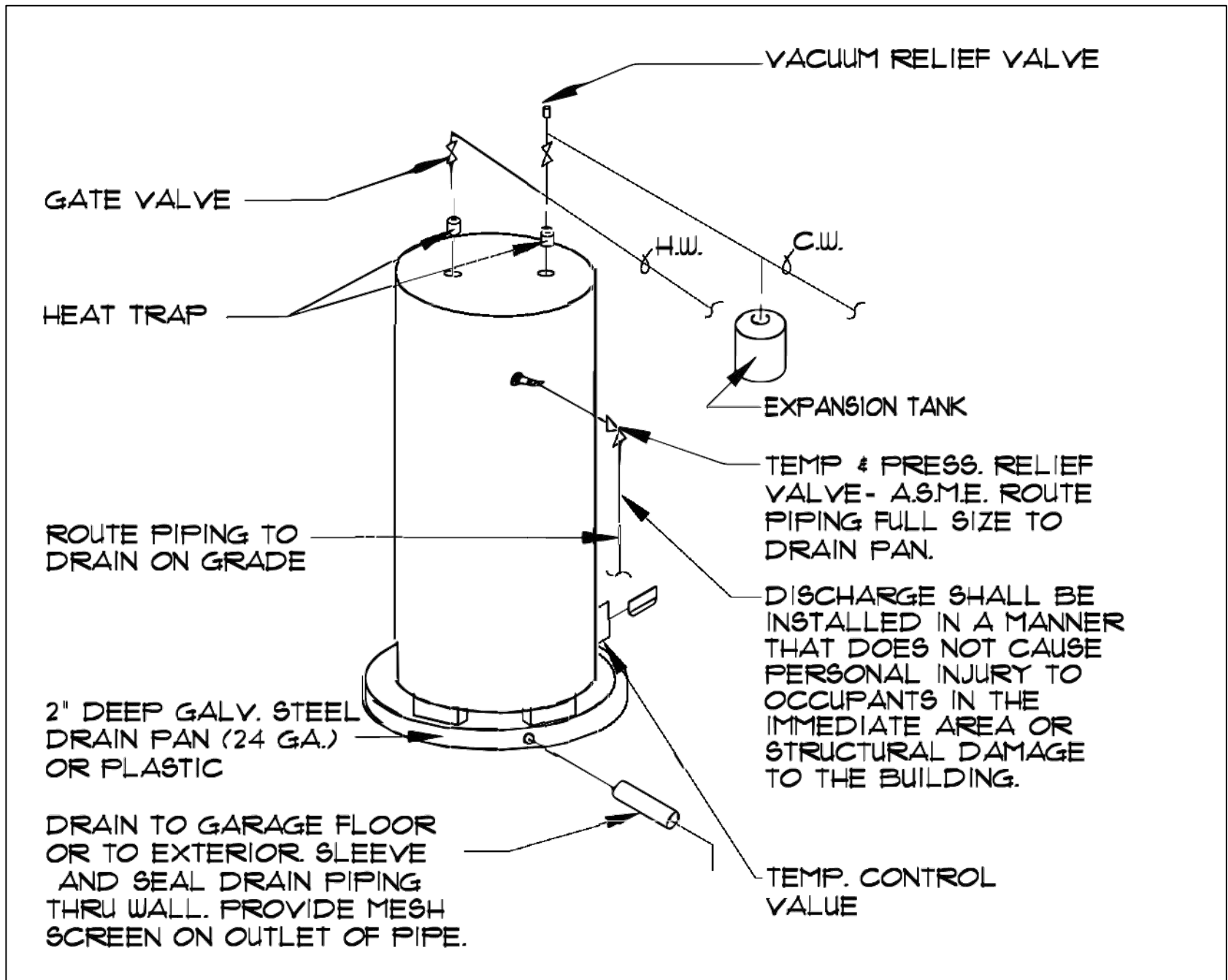


PLUMBING PLAN

1/4" = 1'-0"

PLUMBING SCHEDULE				
NO.	DESCRIPTION	WASTE	WATER	
			COLD	HOT
WC	WATER CLOSET	3'	1/2'	—
LAV.	LAVATORY	1 1/4'	1/2'	1/2'
TUB/SHUR	TUB / SHOWER	1 1/2'	1/2'	1/2'
G.T.	GARDEN TUB	1 1/2'	1/2'	1/2'
SHUR	SHOWER	2'	1/2'	1/2'
SINK	KITCHEN SINK (2)	2'	1/2'	1/2'
W	CLOTHES WASHER	2'	1/2'	1/2'
DW	DISH WASHER	1' 11/2"	—	1/2'
REF.	REFRIGERATOR	—	1/2'	—
PROVIDE ANTI-SCALD VALVE.		PROVIDE MECH SHOCK ABSORBER TO EA. SUPPLY		

PLUMBING LEGEND	
---C---	COLD WATER SUPPLY
---H---	HOT WATER SUPPLY
---W---	WASTE WATER
+	HOSE BIB



PLUMBING NOTES:

- ALL PLUMBING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE-RESIDENTIAL 8th EDITION 2023. AND WITH ALL APPLICABLE REGULATIONS.
- ALL HORIZONTAL SANITARY PIPING SHALL SLOPE AT 1-1/8" PER FOOT MINIMUM FOR 3" AND LARGER AND AT 1-1/4" SLOPE FOR 2-1/2" PIPES AND SMALLER
- PLUMBING FIXTURES, FIXTURES SHALL BE AS SELECTED BY OWNER AND SHALL BE COMPLETE WITH DRAINS, TRAPS, SUPPLIES AND ANY OTHER ACCESSORY REQUIRED. FIXTURES AND FAUCETS SHALL COMPLY WITH THE FBC WATER SAVING STANDARDS.
- MATERIALS:PIPING, UPON OR PEX PIPING OR PVC:
A. SOIL, WASTE AND VENT, AND STORM, SANITARY PIPE, PVC, DWV SCHEDULE 40UNDER GROUND, AND A130VE GROUND.
B. DOMESTIC WATER PVC PIPE AND FITTINGS INSIDE BUILDING WALLS, PVC OUTSIDE UNDER GROUND.
C. CONDENSATE DRAIN, DWC PVC PIPE AND FITTINGS. INSULATE ALL ABOVE GROUND CONDENSATE PIPING WITH 1-1/2" FOAM PLASTIC INSULATION WITH SOLVENT SEALED SEAMS.
D. DOMESTIC WATER SUPPLY ASSEMBLY, CHROME FINISH TUBING WITH ANGLE SHUT OFF VALVES.
E. P & T RELIEF LINES COPPER PIPE AND FITTINGS.
F. DRAIN PAN LINES, DWV PVC AND FITTINGS.
- ALL AUTOMATIC ELECTRIC WATER HEATERS SHALL MEET THE STANDARDS OF THE LATEST ENERGY EFFICIENCY CODE.
- VALVES, DOMESTIC WATER VALVES SHALL BE OF BRONZE BODY, SWEAT ENDS.
- HOSE BIBS, SHALL BE 3/4" ROUGH BRASS CONSTRUCTION WITH SHUT OFF VALVE AND VACUUM BREAKER.
- ALL OUTDOOR FLOOR CLEAN OUTS SHALL BE TERMINATED UP TO GRADE AND SHALL BE MARKED.
- CLEANOUTS SHALL BE PROVIDED AT THE BASE OF EACH WASTE OR SOIL STACK. AS PER SECTION 108.3.4 FBCP
- CONTRACTOR SHALL PROVIDE MAINTENANCE FREE MECHANICAL SHOCK ARRESTORS AT ALL FIXTURES WITH QUICK CLOSING VALVES.
- VENT SYSTEMS USING AIR ADMITTANCE VALVES SHALL COMPLY WITH THIS SECTION INDIVIDUAL AND BRANCH-TYPE AIR ADMITTANCE VALVES SHALL CONFORM TO ASSE 1050.
- THE FLOW VELOCITY OF THE WATER DISTRIBUTION SYSTEM SHALL BE CONTROLLED TO REDUCE THE POSSIBILITY OF WATER HAMMER A WATER HAMMER ARRESTOR SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
- BATHTUB, SHOWER AND WHIRLPOOL BATHTUB VALVES. THE HOT WATER SUPPLIED TO BATHTUBS AND WHIRLPOOL BATHTUBS SHALL BE LIMITED TO A MAXIMUM TEMPERATURE OF 120 F (49 C) BY A WATER-TEMPERATURE-LIMITING DEVICE THAT CONFORMS TO ASSE 1010, EXCEPT WHERE SUCH PROTECTION IS OTHERWISE PROVIDED BY A COMBINATION TUB/ SHOWER VALVE IN ACCORDANCE WITH SECTION P2708.3 ACCESS PANEL FOR WHIRLPOOL BATHTUB PUMP SHALL BE PROVIDED PER FBCR 2120.L
- DISHWASHER CONNECTION. THE COMBINED DISCHARGE FROM A SINK DISHWASHER, AND WASTE GRINDER IS PERMITTED TO DISCHARGE THROUGH A SINGLE 1- 1/2"(38 MM) TRAP. THE DISCHARGE PIPE FROM THE DISHWASHER SHALL BE INCREASED TO A MINIMUM OF 3/4"(9MM) IN DIAMETER AND SHALL CONNECT WITH A WYE FITTING BETWEEN THE DISCHARGE OF THE FOOD-WASTE GRINDER AND THE TRAP INLET OR TO THE HEAD OF THE FOOD GRINDER. THE DISHWASHER WASTE LINE SHALL RISE AND BE SECURELY FASTENED TO THE UNDERSIDE OF THE COUNTER BEFORE CONNECTING TO THE SINK TAIL PIECE OR THE FOOD GRINDER.
- THE CONTRACTOR SHALL FIELD VERIFY ALL INVERT ELEVATIONS AND SIZE OF EXISTING SEWER AND WATER MAINS FOR CONNECTION OF NEW SERVICES.
- ALL PLUMBING FIXTURES SHALL BE DETERMINED BY OWNER
- THESE DRAWINGS ONLY PROVIDE DESIGN LOCATIONS FOR THE EQUIVALENT DEPICTED HEREIN, THE PLUMBING CONTRACTOR SHALL OBTAIN SHOP DRAWINGS/ CUT SHEETS FROM THE EQUIVALENT SUPPLIER IN ORDER TO PLACE ROUGH-IN LINES AT OPTIMUM LOCATIONS FOR THE SPECIFIED EQUIPMENT.
- THE PLUMBING CONTRACTOR SHALL PROVIDE FINAL CONNECTIONS TO ALL REQUIRED EQUIVALENT, UNLESS OTHERWISE NOTED.
- NECESSARY, OBVIOUSLY REQUIRED PLUMBING ITEMS THAT ARE NOT SHOWN ON THESE DRAWINGS DOES NOT RELIEVE THE PLUMBING CONTRACTOR FROM THEIR RESPONSIBILITY OF INSTALLING A COMPLETELY OPERATING AND SAFE PLUMBING SYSTEM APPLICABLE w/ ALL CODES AS PREVIOUSLY DESCRIBED IN NOTE 1 ABOVE.
- PIPE PROTECTION AS PER SECTION 305 FBCP ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH, OR A PIPE SLEEVE PIPE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL PIPES PASSING THROUGH CONCRETE OR CINDER WALLS AND FLOORS OR OTHER CORROSIVE MATERIAL SHALL BE PROTECTED AGAINST EXTERNAL CORROSION BY A PROTECTIVE SHEATHING OR WRAPPING OR OTHER MEANS THAT WILL WITHSTAND ANY REACTION FROM THE LIME AND ACID OF CONCRETE, CINDER, OR OTHER CORROSIVE MATERIAL. SHEATHING OR WRAPPING SHALL ALLOW FOR MOVEMENT INCLUDING EXPANSION AND CONTRACTION OF PIPING MINIMUM WALL THICKNESS OF MATERIAL SHALL BE 0.010 INCH

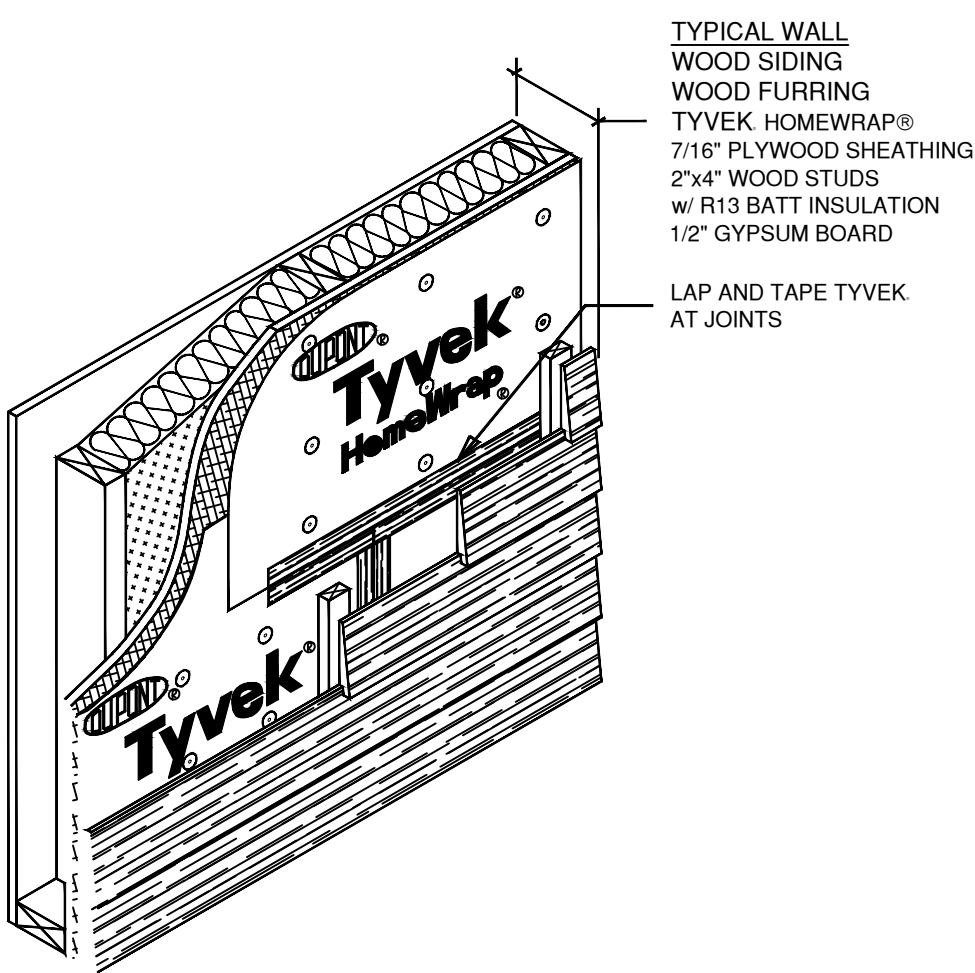
THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY KEVIN C. MARTIN, PE FL80359 ON 5/17/24 USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

PLUMBING PLAN
NEW SINGLE FAMILY
1256 S.W. SCRUBTOWN RD.
FORT WHITE, FL 32038

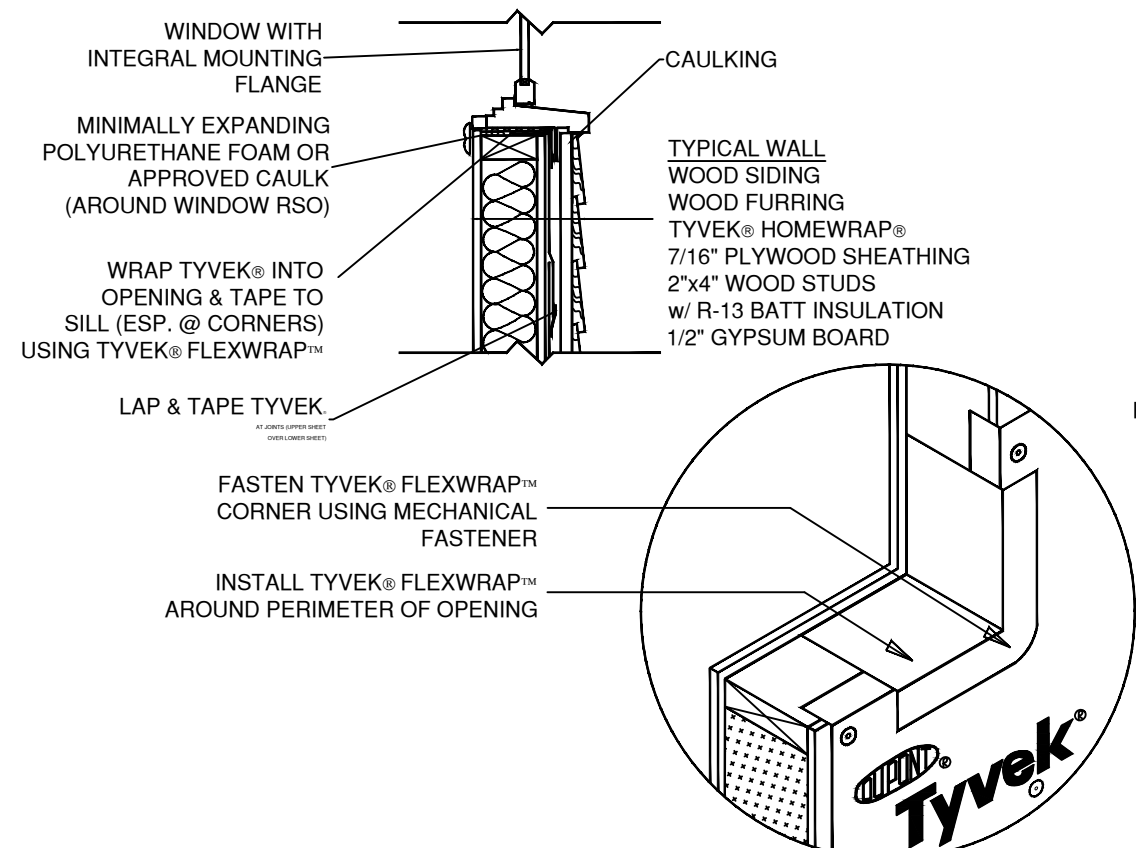
MARTIN ENGINEERING, LLC.
450 STATE ROAD 13 N., #106-387
JACKSONVILLE, FL 32259
904-472-1459
FL C.A.# 32027

PROJECT #: 23-1004
DESIGNED: KCM
DRAWN: KCM
SCALE: AS NOTED
ISSUED: 10/29/23
REVISION-1: 5/17/24
REVISION-2:
SHEET
A-4

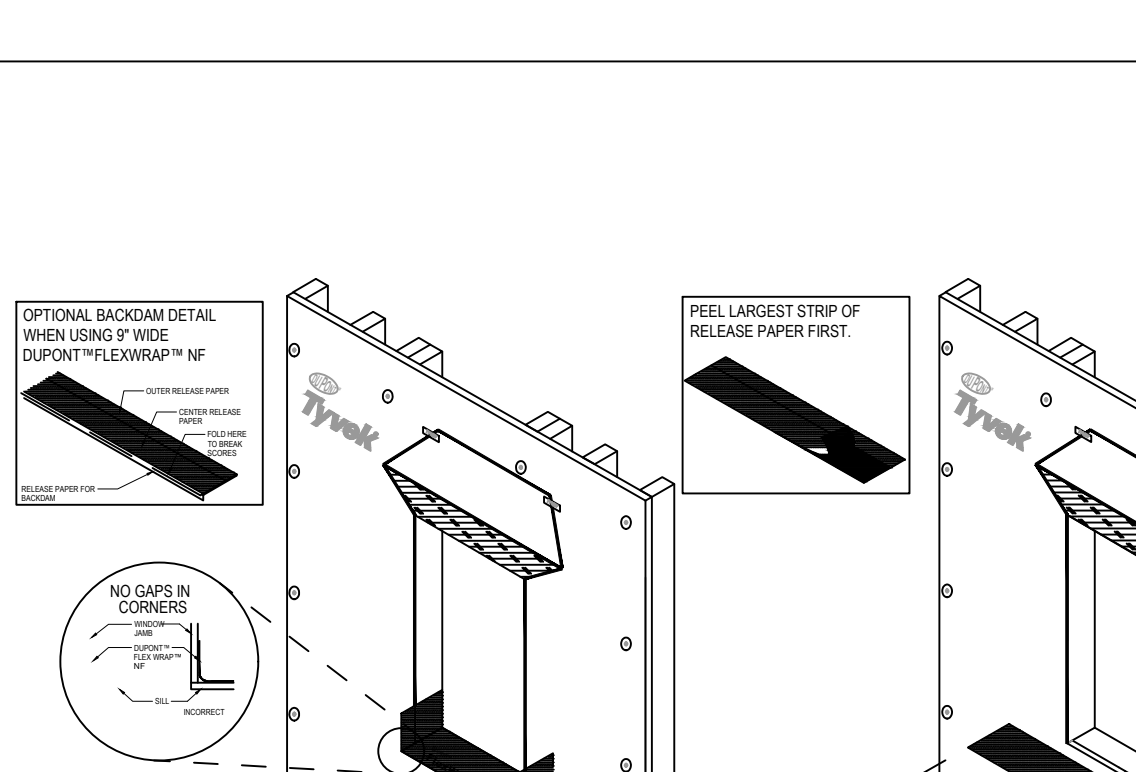
2023 MARTIN ENGINEERING, LLC. DRAWINGS, WRITTEN MATERIAL, AND DESIGN CONCEPTS SHALL NOT BE USED OR REPRODUCED IN WHOLE OR PART IN ANY FORM OR FORMAT WITHOUT PRIOR WRITTEN CONSENT FROM MARTIN ENGINEERING, LLC. DO NOT SCALE DRAWINGS. USE GIVEN DIMENSIONS ONLY. IF NOT SHOWN, VERIFY CORRECT DIMENSIONS WITH THE ENGINEER. DIMENSIONS ARE CONSIDERED APPROXIMATE. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE.



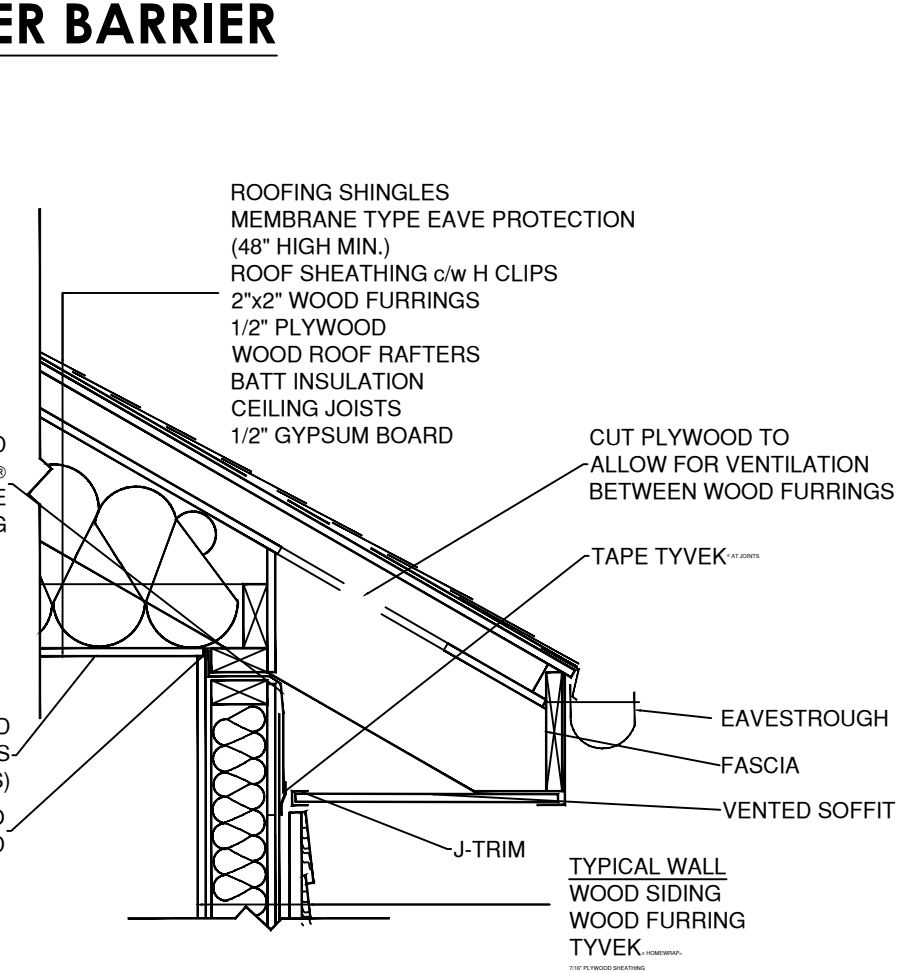
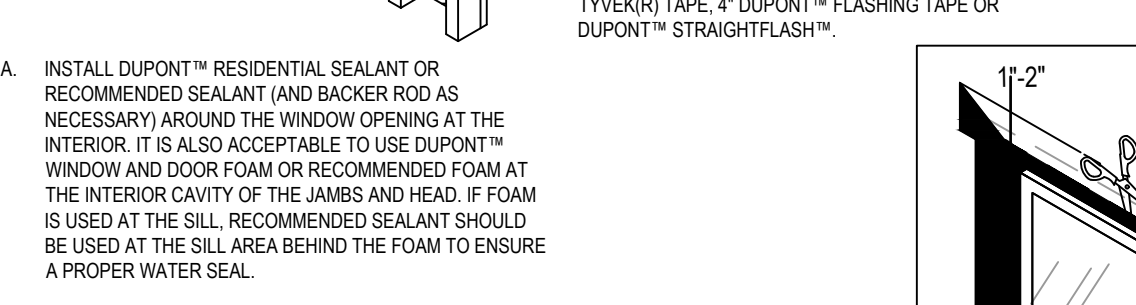
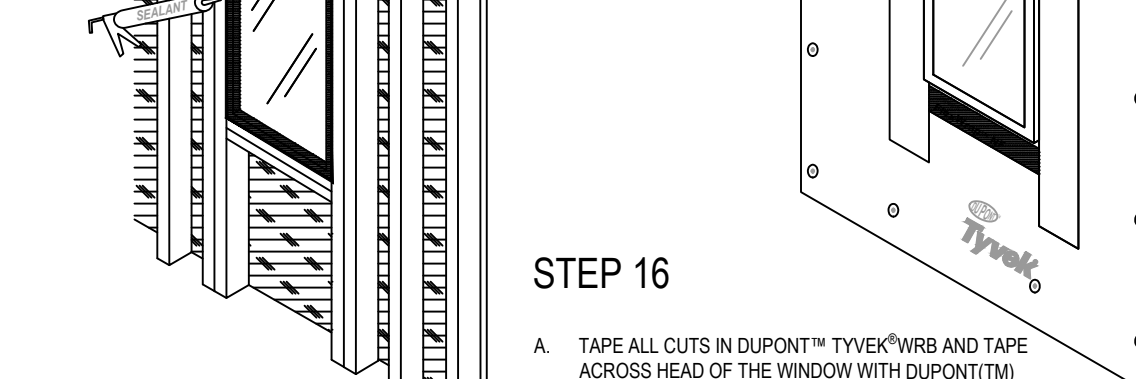
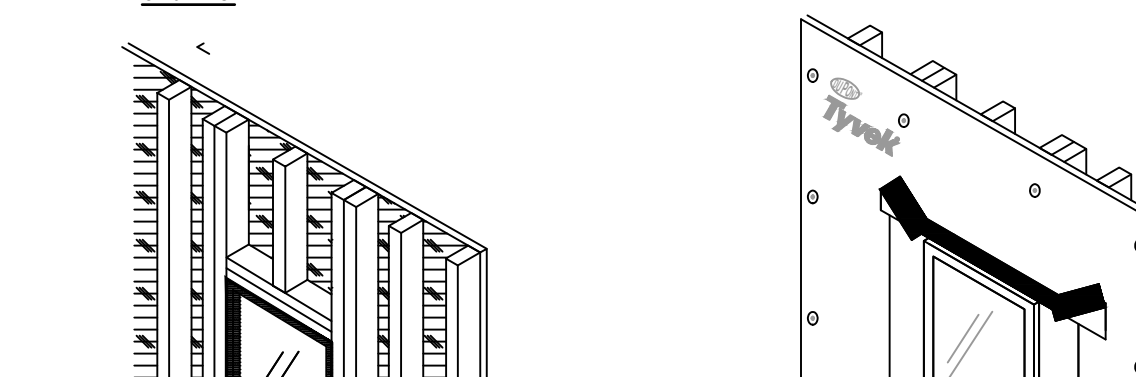
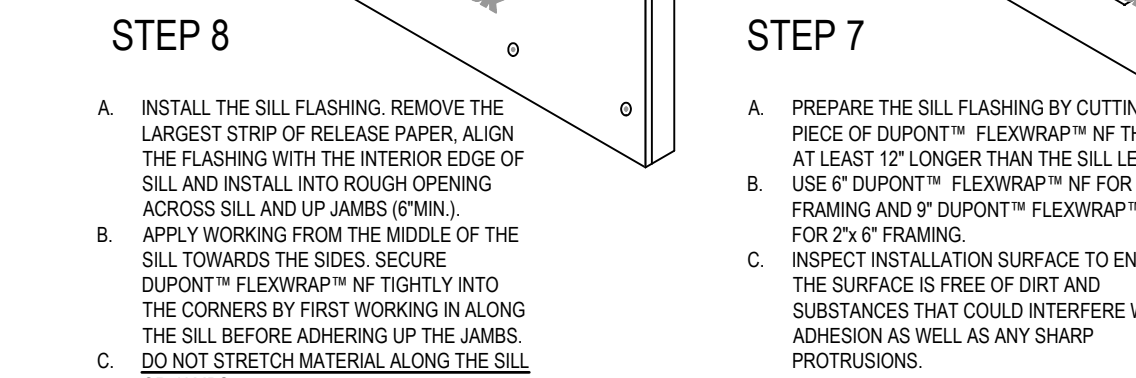
TYPICAL WALL ISOMETRIC
RESIDENTIAL WOOD FRAME STRUCTURE w/ WOOD SIDING (COOLING CLIMATE)



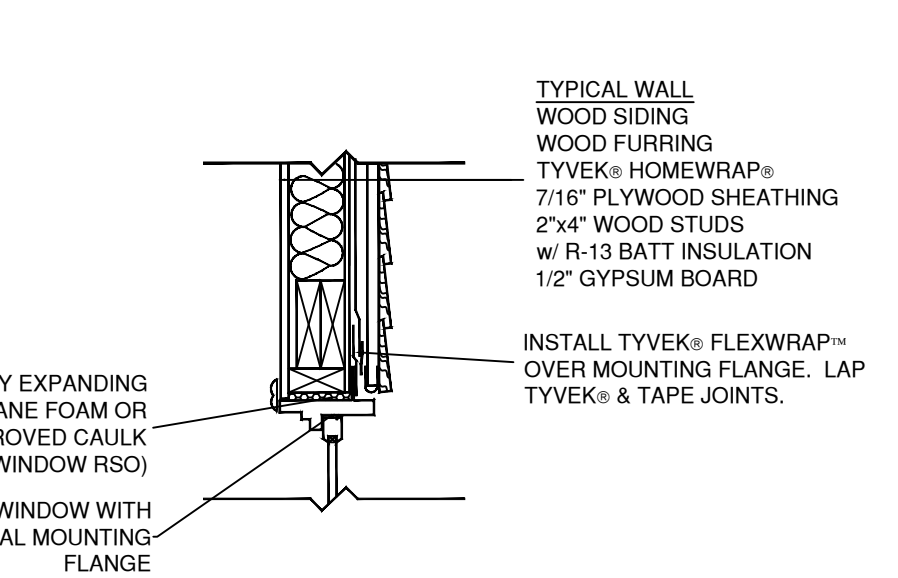
WINDOW HEAD DETAIL
RESIDENTIAL WOOD FRAME STRUCTURE w/ WOOD SIDING (COOLING CLIMATE)



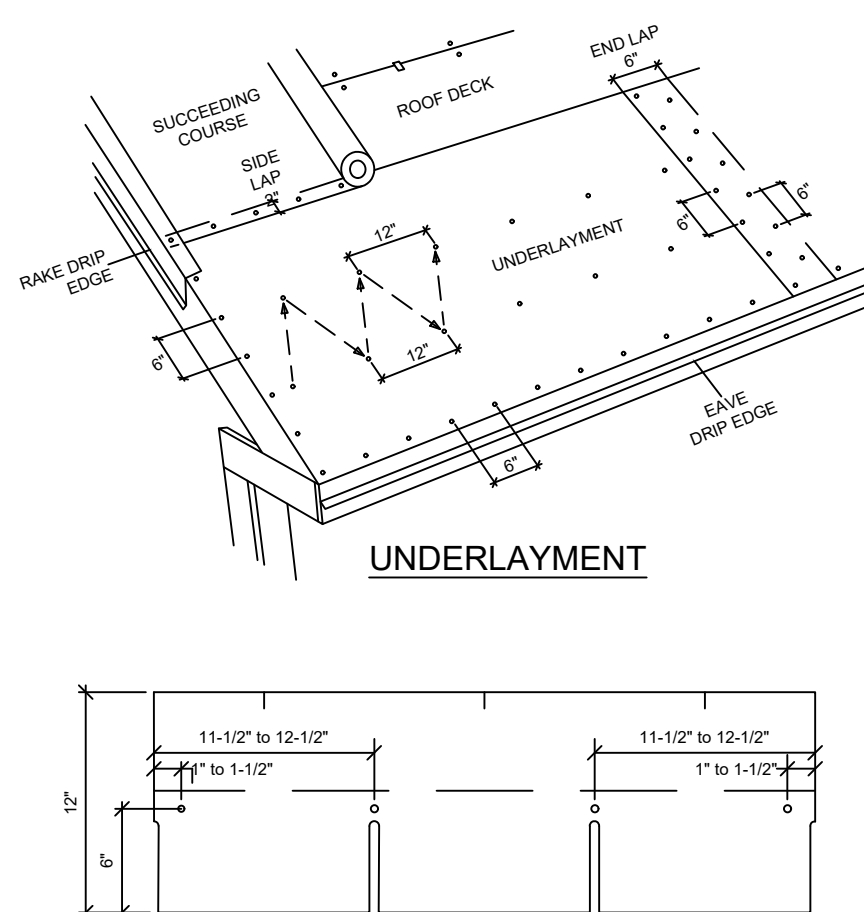
WINDOW SILL DETAIL
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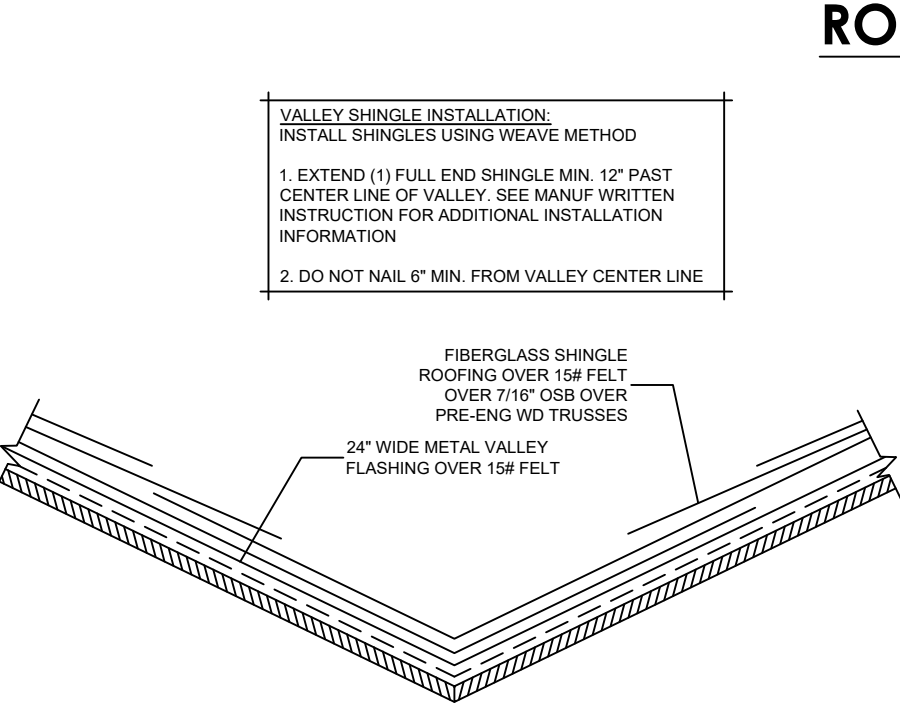
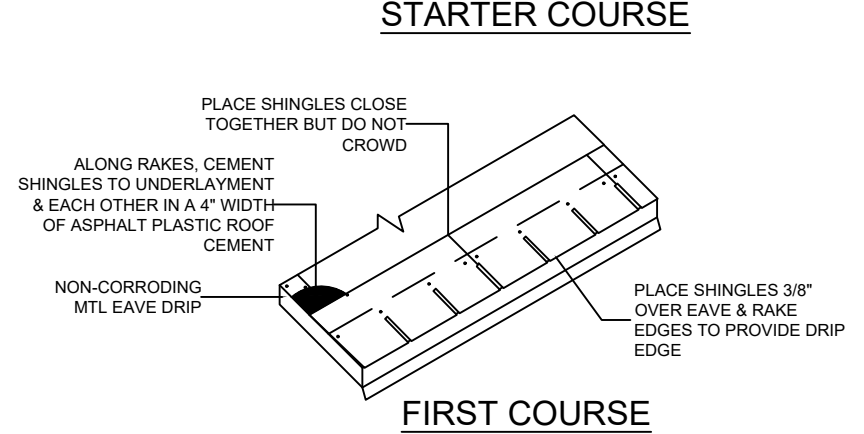
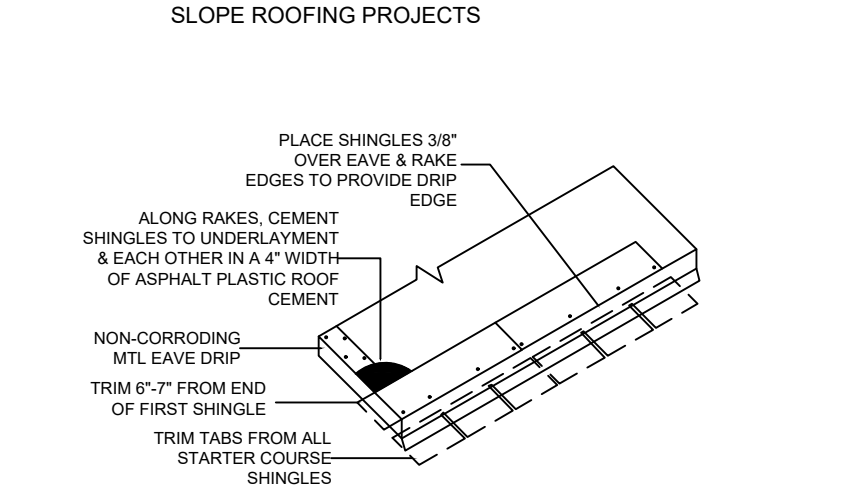
WEATHER BARRIER
RESIDENTIAL WOOD FRAME STRUCTURE w/ WOOD SIDING (COOLING CLIMATE)



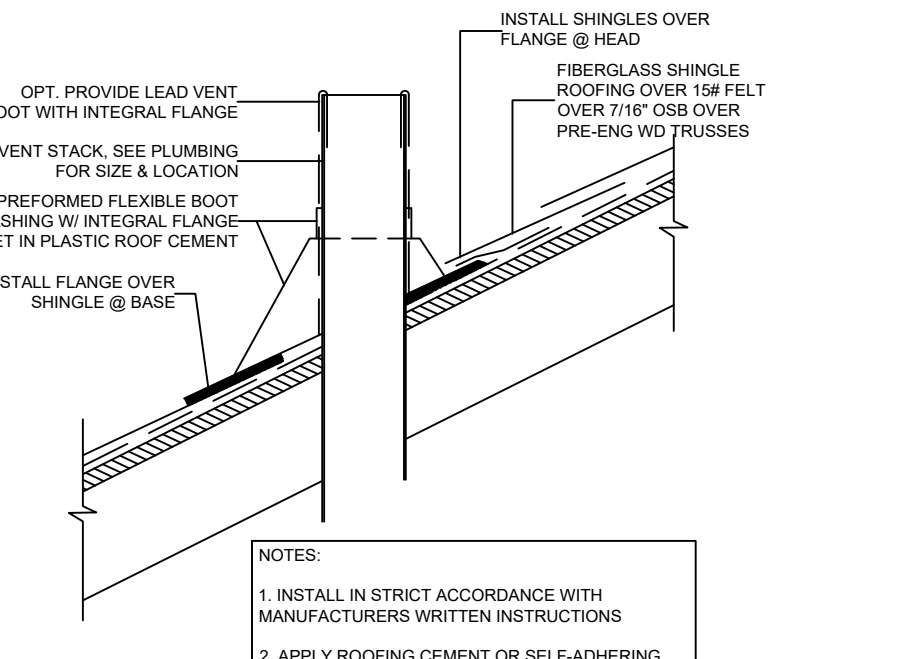
ROOF/ WALL INTERFACE DETAIL
RESIDENTIAL WOOD FRAME STRUCTURE w/ WOOD SIDING (COOLING CLIMATE)



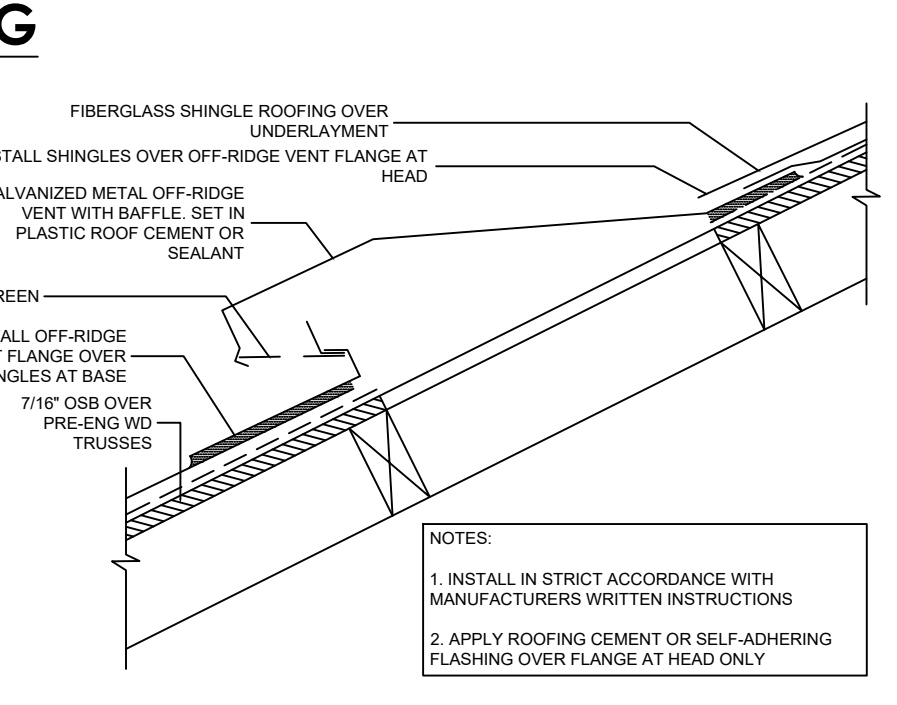
SHINGLE NAILING
NOTE: DETAILS ARE FOR SLOPES OF 3:12 OR GREATER. FOR SLOPES BELOW 3:12, ALL ROOFING UNDERLAYMENT SHALL BE SELF-ADHERING SHEET MEMBRANE APPROVED BY THE SHINGLE MANUFACTURER FOR USE ON LOW SLOPE ROOFING PROJECTS



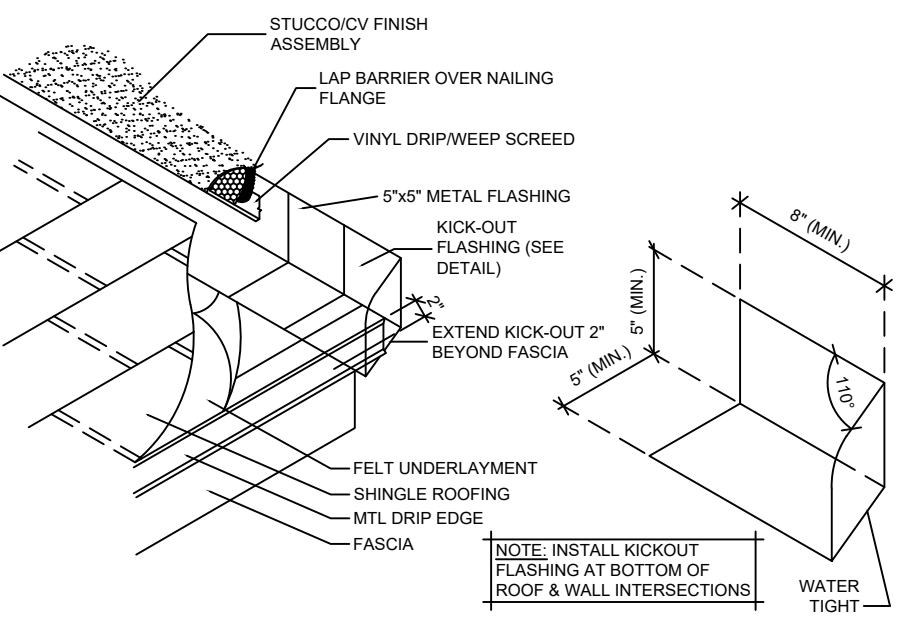
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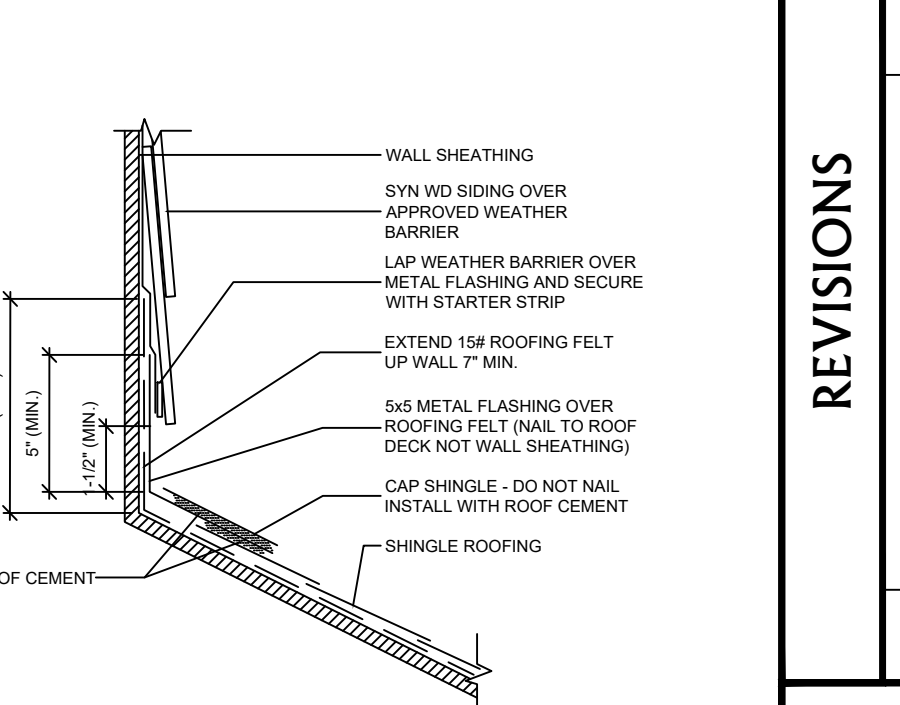
VENT STACK FLASHING DETAIL
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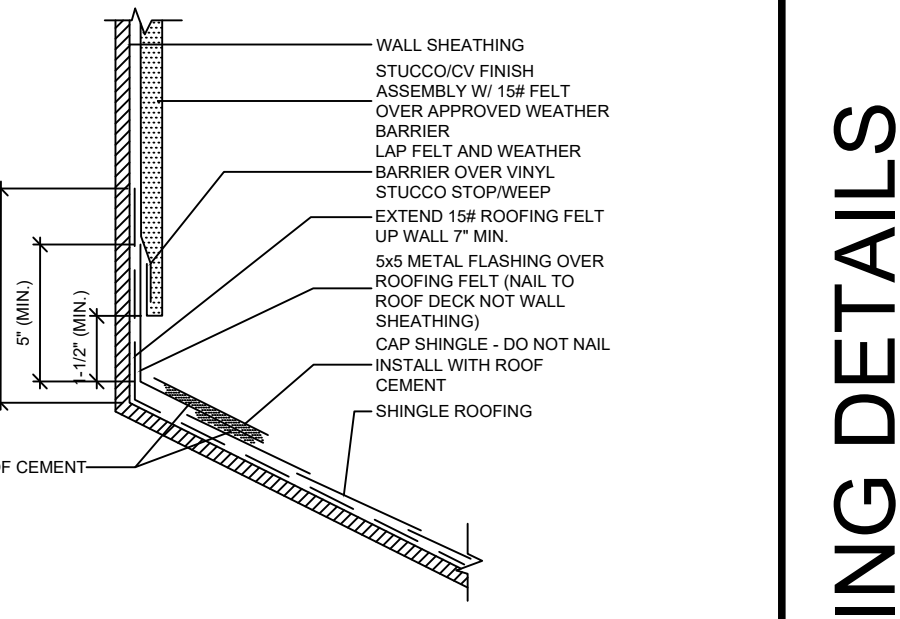
OFF-RIDGE VENT FLASHING DETAIL
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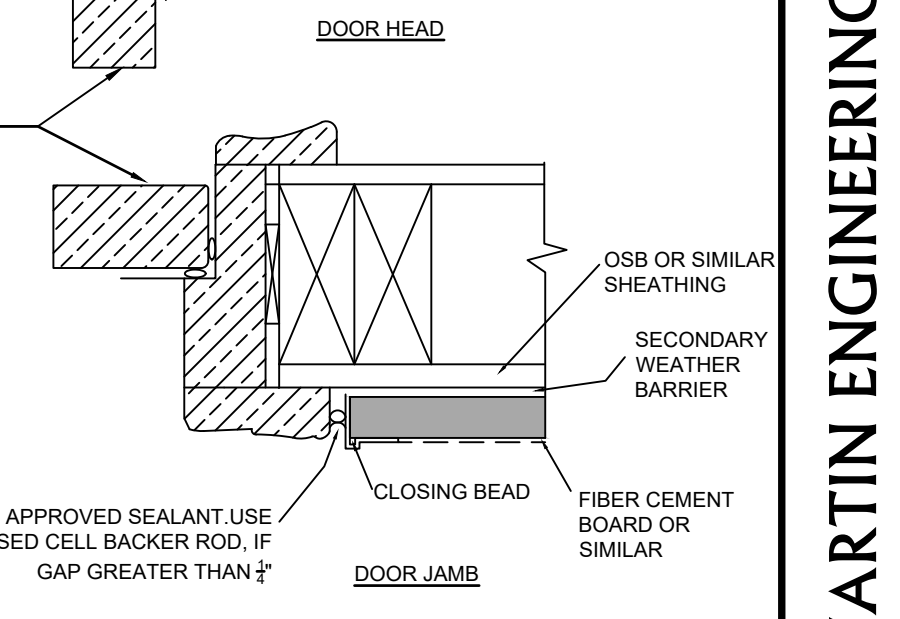
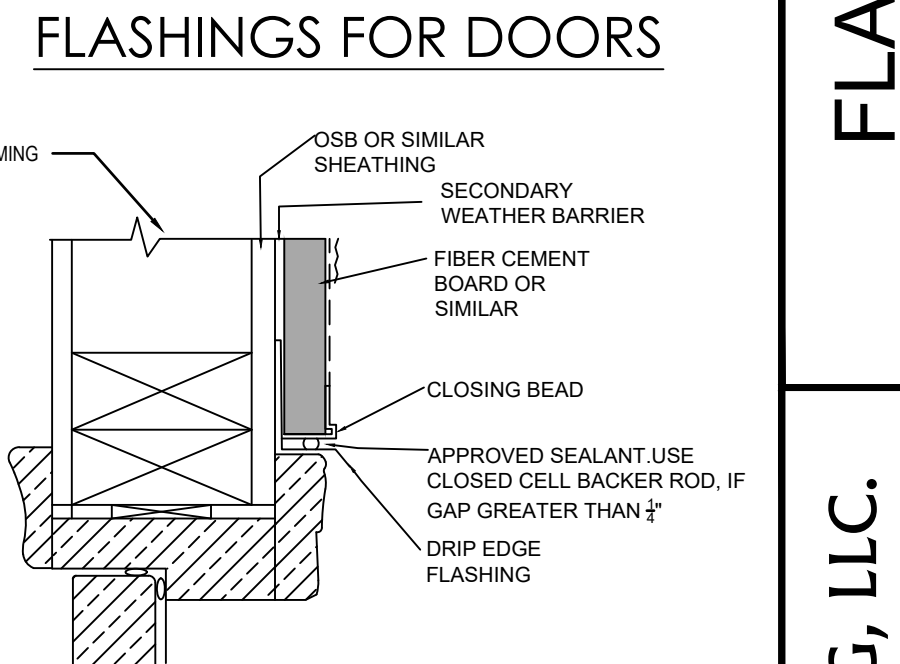
WALL/KICKOUT FLASHING DETAIL
N.T.S.



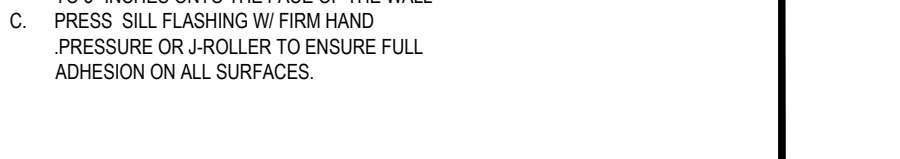
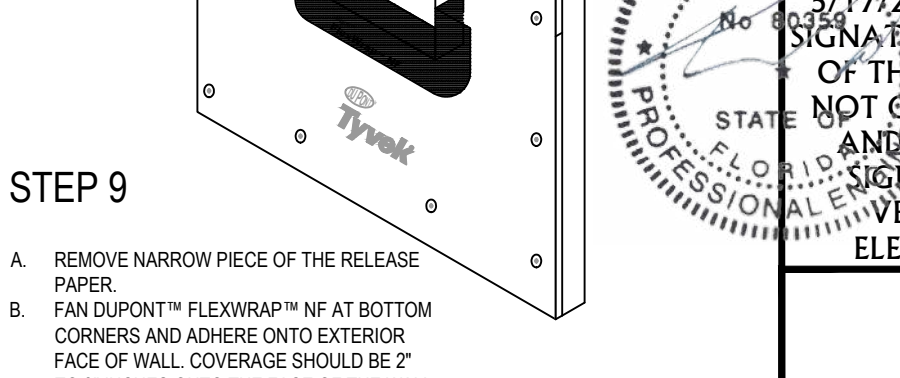
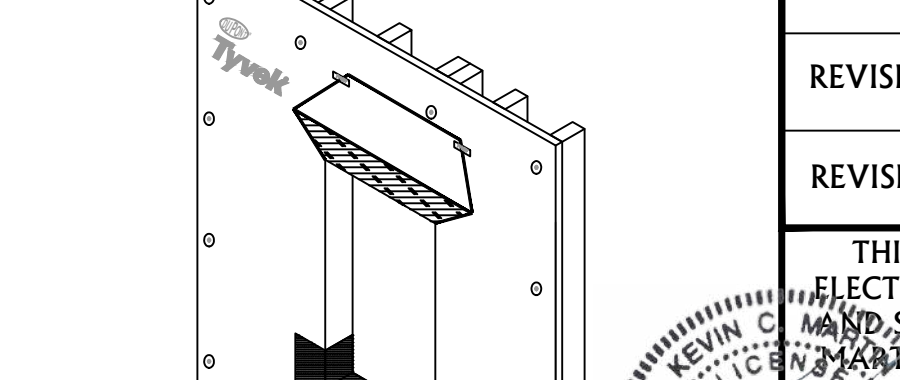
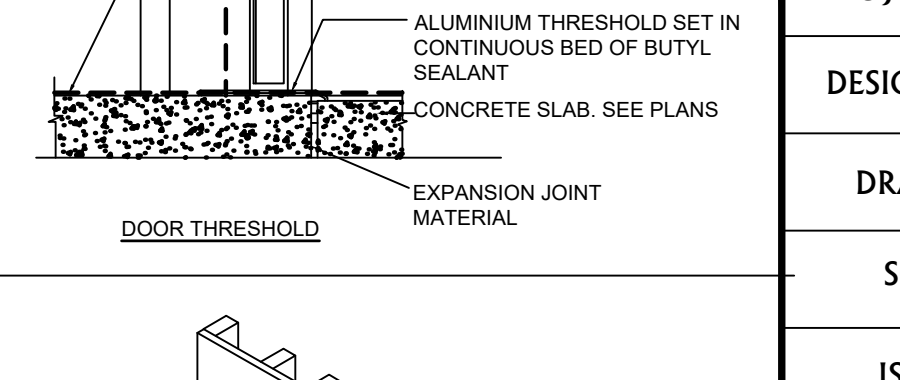
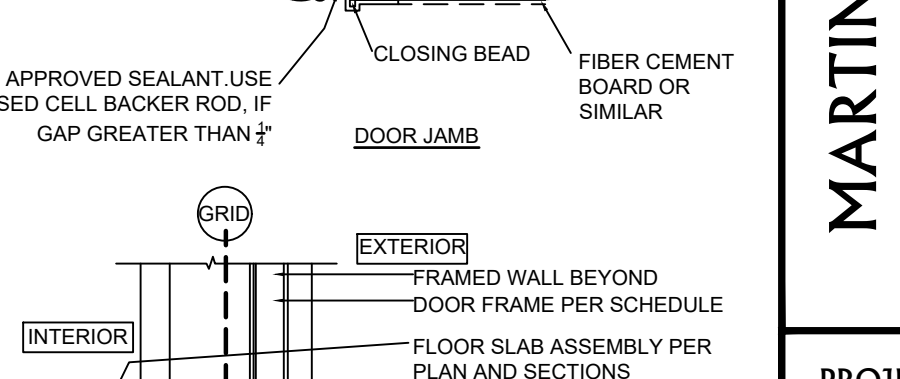
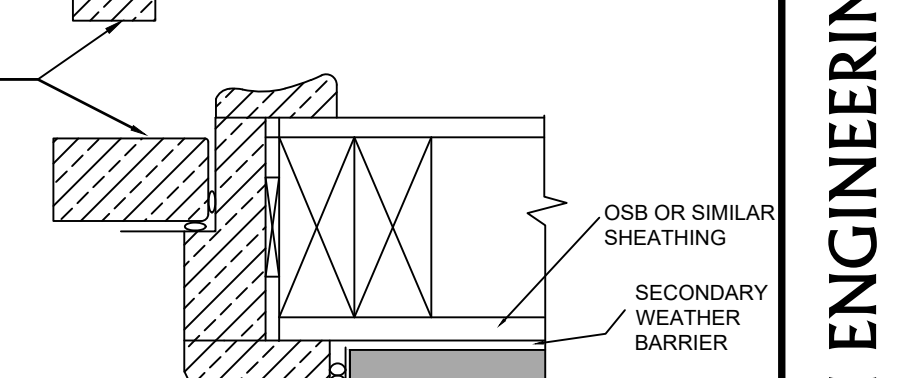
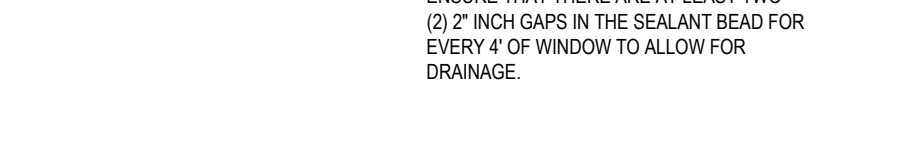
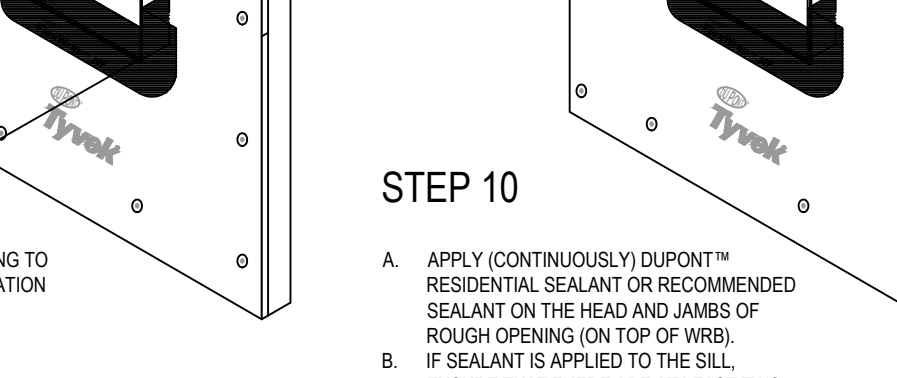
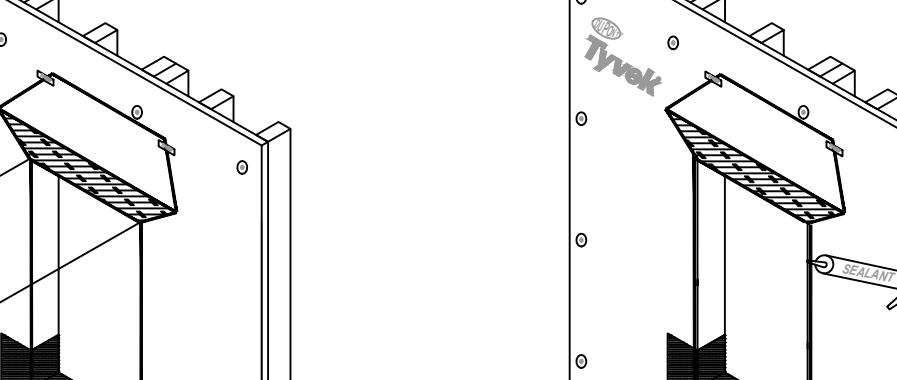
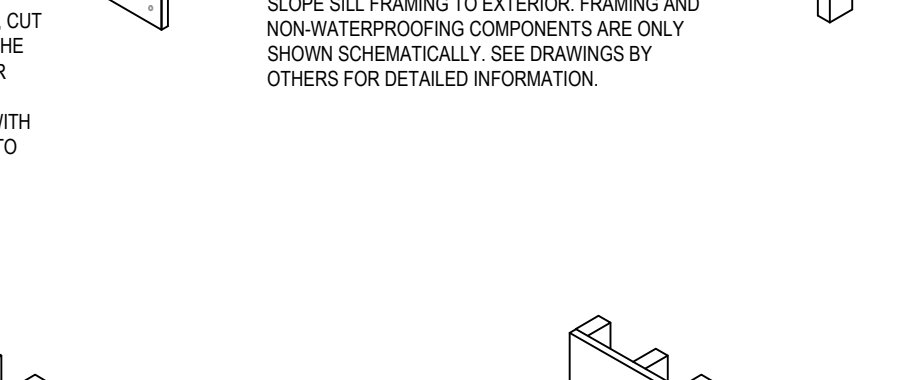
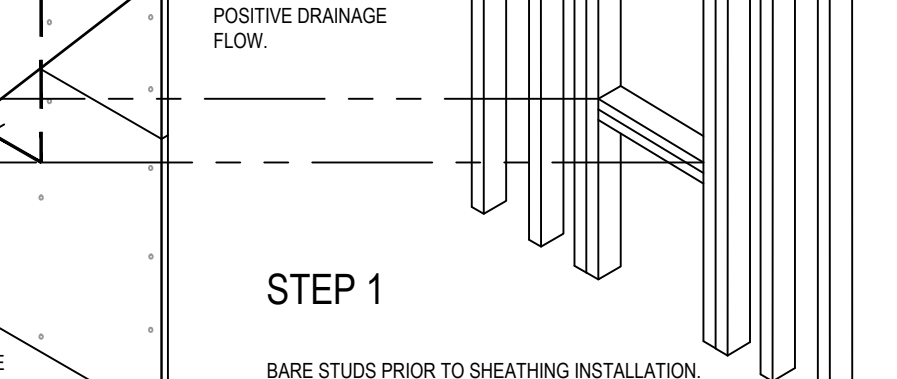
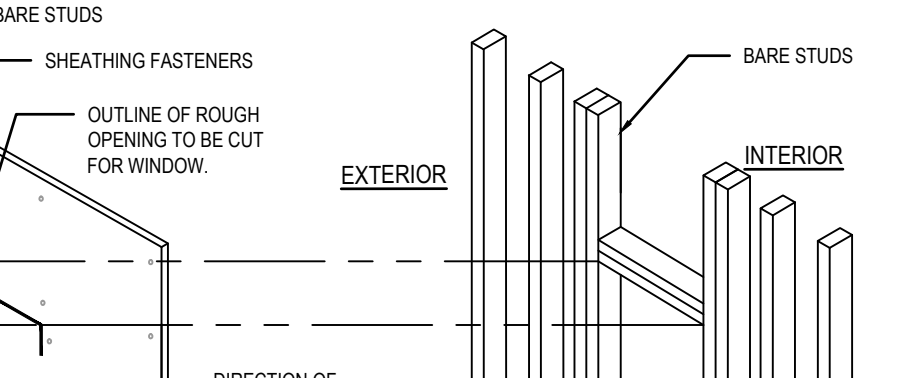
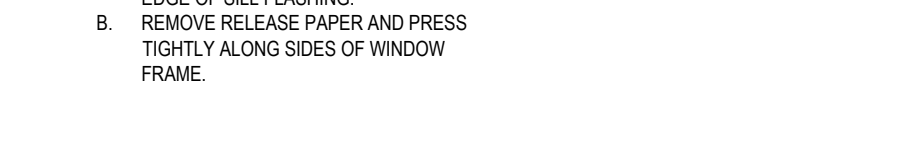
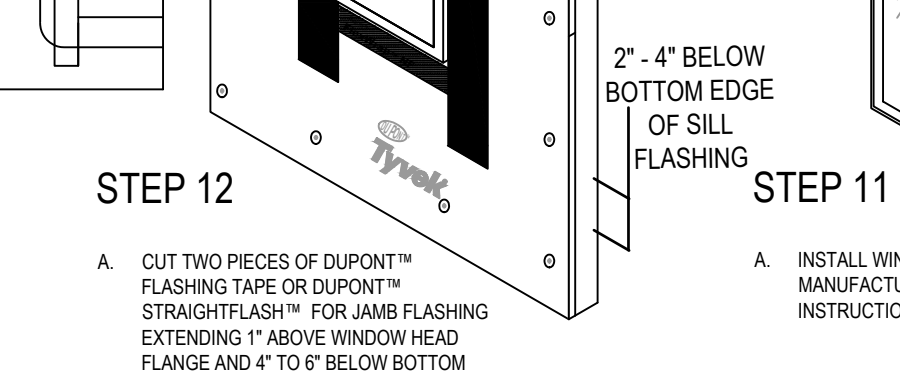
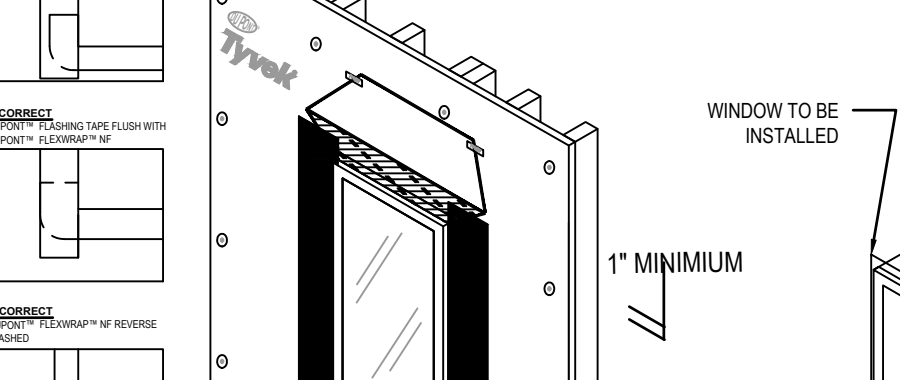
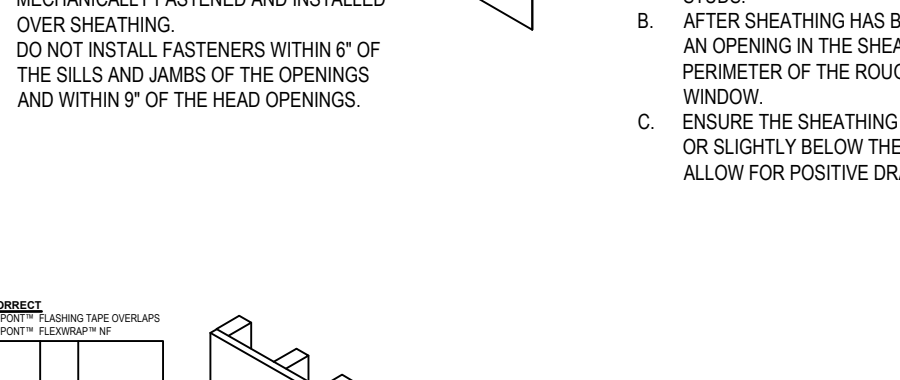
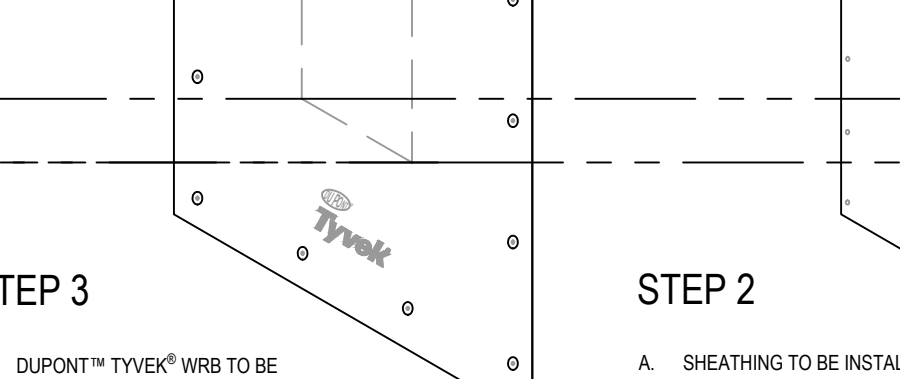
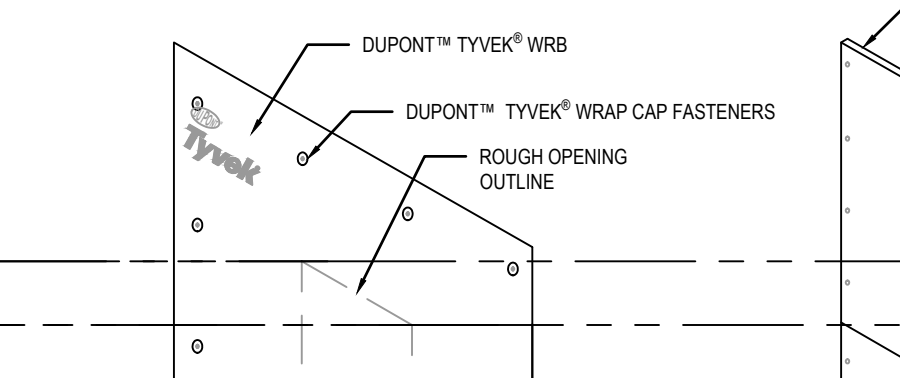
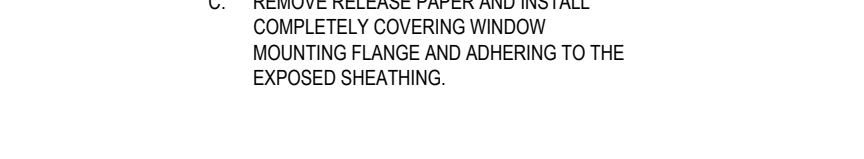
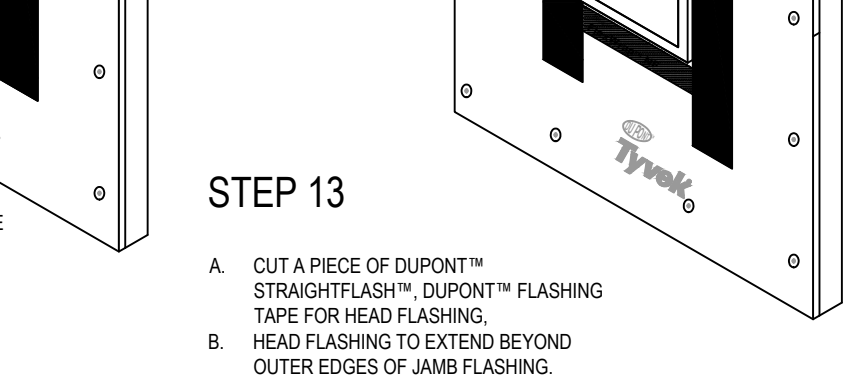
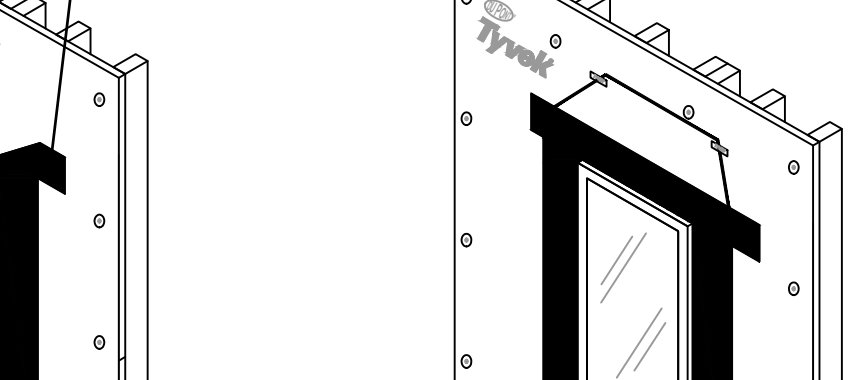
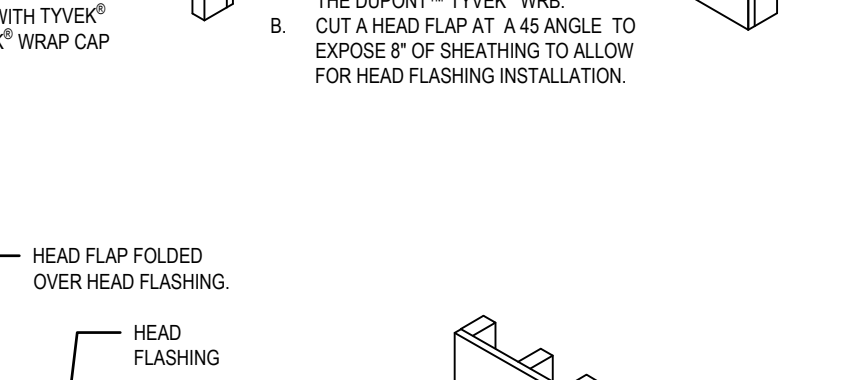
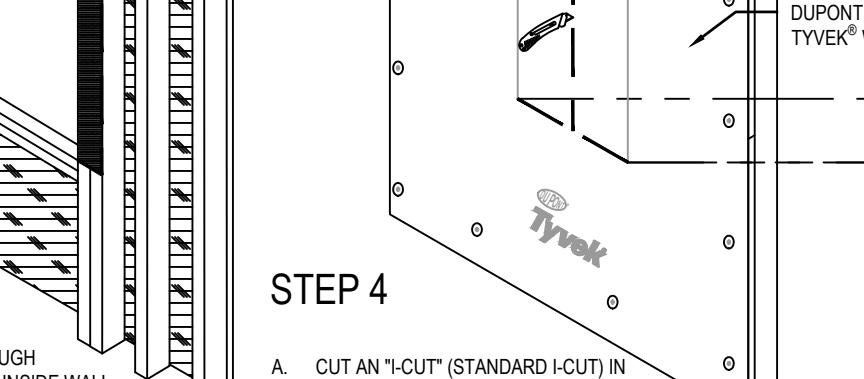
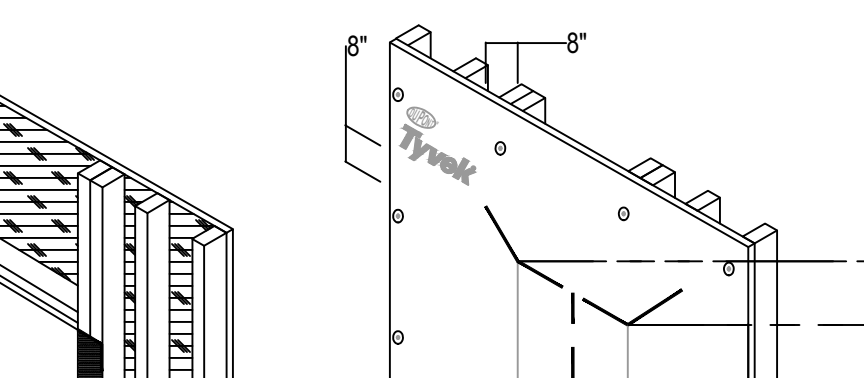
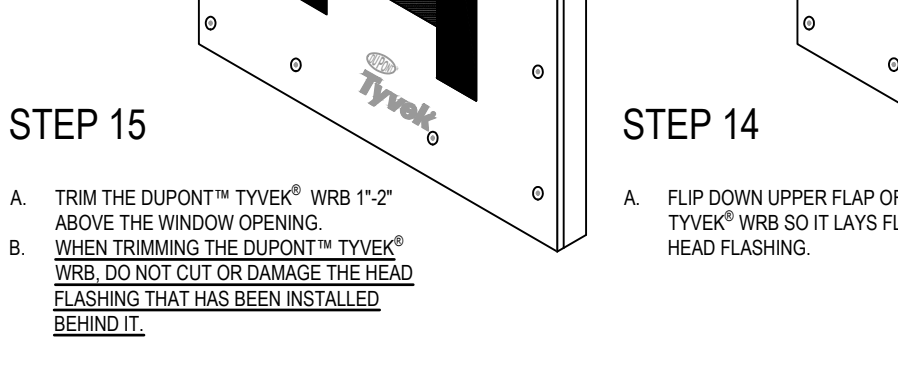
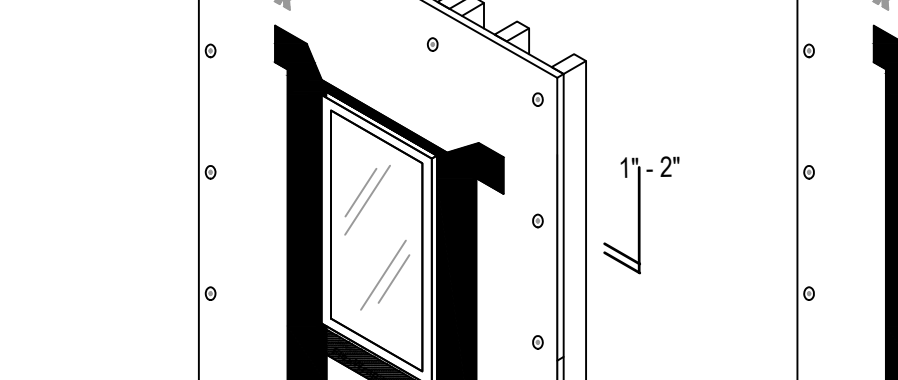
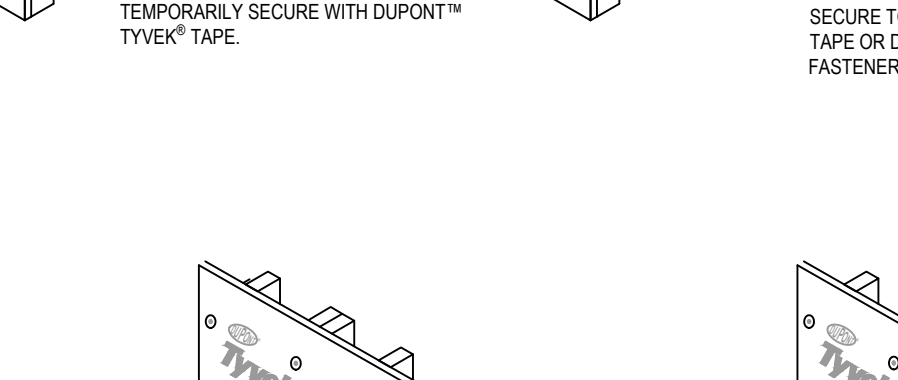
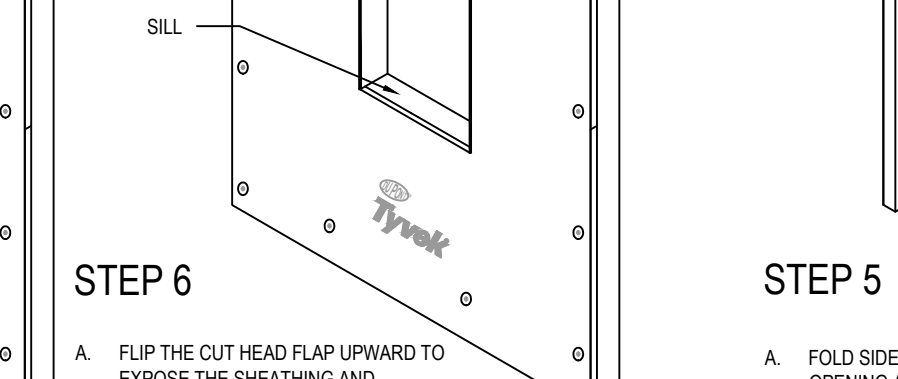
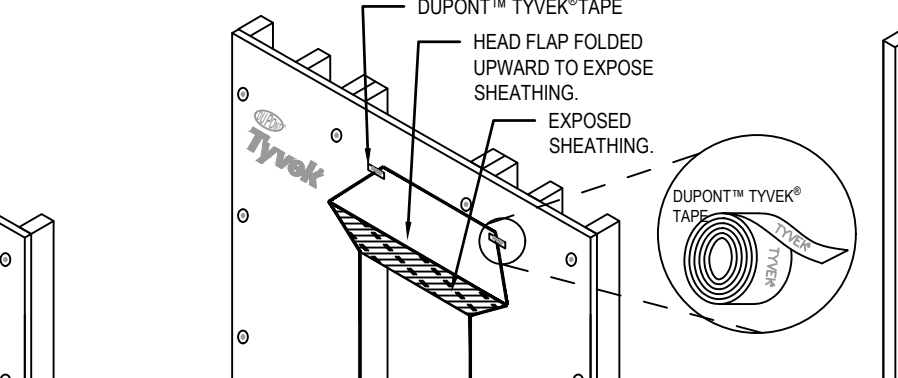
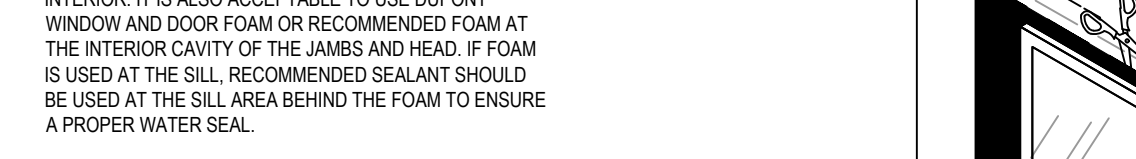
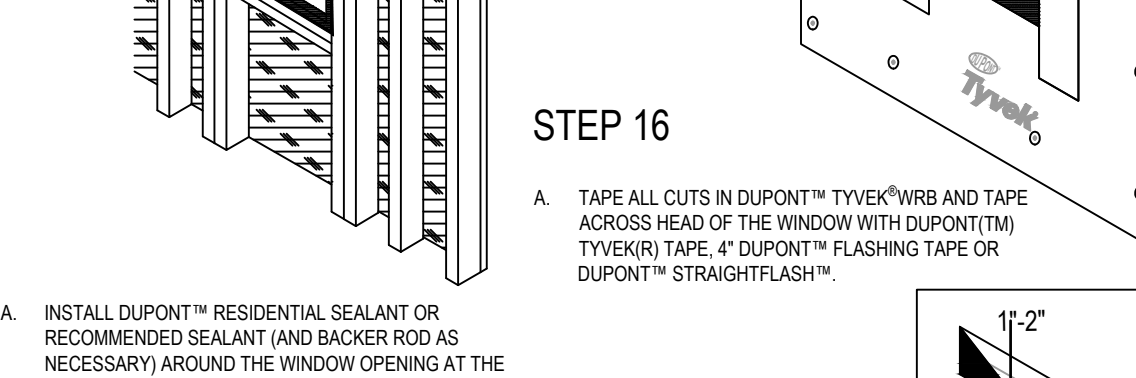
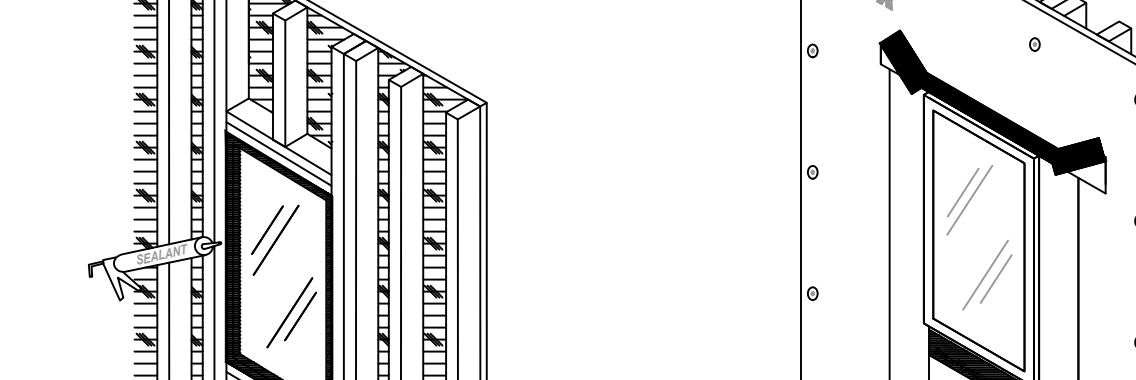
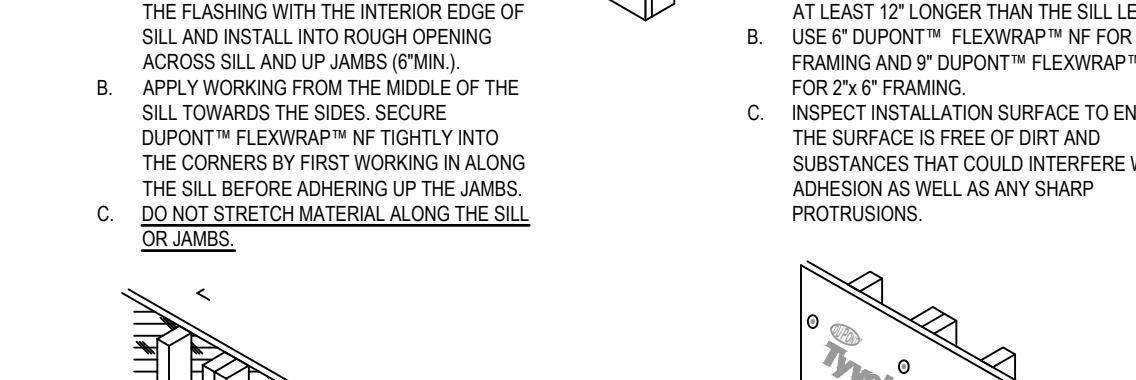
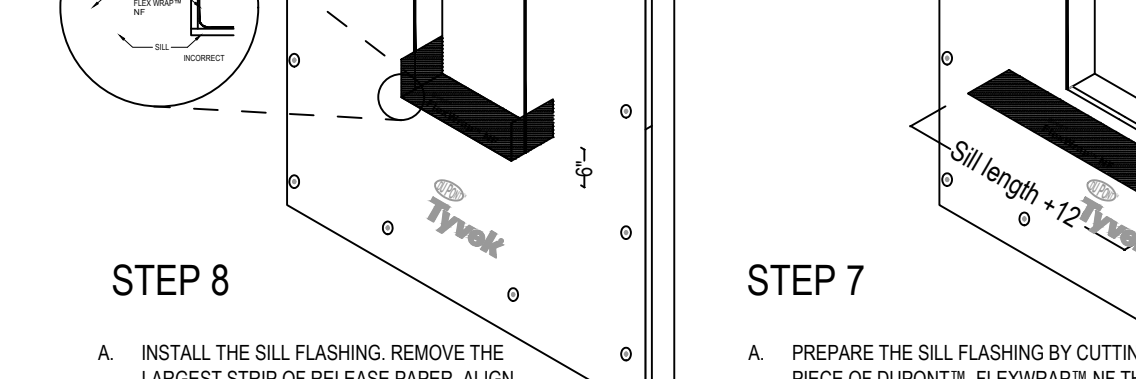
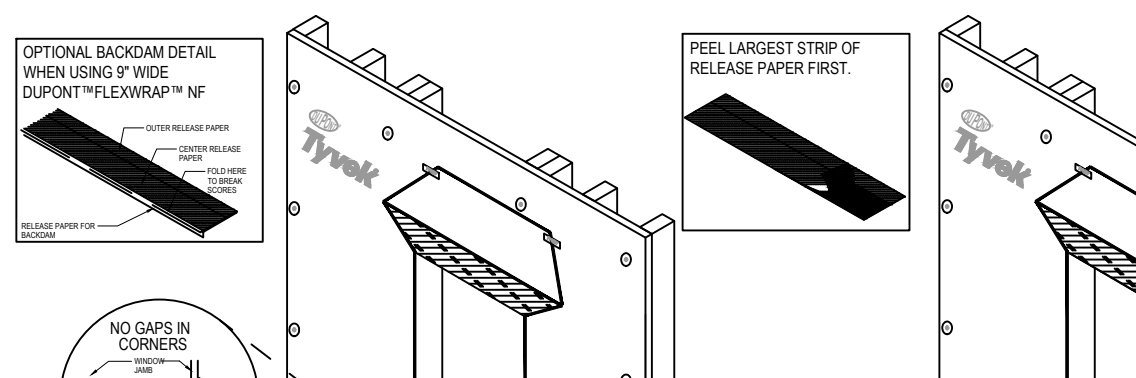
WALL FLASHING DETAIL - LAP SIDING
N.T.S.



WALL FLASHING DETAIL - STUCCO
N.T.S.



FLASHINGS FOR WINDOWS



REVISIONS	DESCRIPTION	DATE	No.

FLASHING DETAILS
NEW SINGLE FAMILY
1256 S.W. SCRUBTOWN RD.
FORT WHITE, FL 32038

MARTIN ENGINEERING, LLC.
450 STATE ROAD 13 N., #106-387
JACKSONVILLE, FL 32259
904-472-1459
FL C.A.# 32027

PROJECT #: 23-1004

DESIGNED: KCM

DRAWN: KCM

SCALE: AS NOTED

ISSUED: 10/29/23

REVISION-1: 5/17/24

REVISION-2:

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY KEVIN C. MARTIN, PE FL80359 ON 5/17/24 USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

SHEET

A-5

2023 MARTIN ENGINEERING, LLC. DRAWINGS, WRITTEN MATERIAL, AND DESIGN CONCEPTS SHALL NOT BE USED OR REPRODUCED IN WHOLE OR PART IN ANY FORM OR FORMAT WITHOUT PRIOR WRITTEN CONSENT FROM MARTIN ENGINEERING, LLC. DO NOT SCALE DRAWINGS. USE GIVEN DIMENSIONS ONLY. IF NOT SHOWN, VERIFY CORRECT DIMENSIONS WITH THE ENGINEER. DIMENSIONS ARE CONSIDERED APPROXIMATE. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE.

GENERAL STRUCTURAL NOTES

THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOBSITE PRIOR TO COMMENCING WORK. CONTRACTOR SHALL REPORT ALL DISCREPANCIES THE DRAWINGS AND EXISTING CONDITION TO THE ENGINEER PRIOR TO COMMENCING WORK.

DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE, EXCEPT AS OTHERWISE INDICATED. ADAPT REQUIREMENTS OF DETAILS, SECTIONS, PLANS, AND NOTES AT LOCATIONS WHERE CONDITIONS ARE SIMILAR.

DIMENSIONS INDICATED ON THE DRAWINGS IN REFERENCE TO EXISTING CONDITIONS ARE THE BEST AVAILABLE DATE OBTAINABLE, BUT ARE NOT GUARANTEED. BEFORE PROCEEDING WITH ANY WORK DEPENDENT ON THE DATA INVOLVED, THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS, GRADES, LINES, LEVELS, OR OTHER CONDITIONS OF LIMITATIONS AT THE SITE TO AVOID CONSTRUCTION ERRORS. IF ANY WORK IS PERFORMED BY THE CONTRACTOR OR ANY OF HIS SUBCONTRACTORS PRIOR TO ADEQUATE VERIFICATION OF APPLICABLE DATA, AT RESULTANT EXTRA COST FOR ADJUSTMENT OR WORK AS REQUIRED TO CONFORM TO EXISTING LIMITATIONS, SHALL BE ASSUMED BY THE CONTRACTOR WITHOUT REIMBURSEMENT OR COMPENSATION BY THE OWNER.

CENTER ALL FOOTINGS AND PIERS UNDER COLUMNS ABOVE UNLESS SPECIFICALLY DIMENSIONED OTHERWISE.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES PRIOR TO EXCAVATION FOR BUILDING FOUNDATIONS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF POTENTIAL CONFLICTS BETWEEN FOUNDATIONS AND BURIED UTILITIES.

CODE REQUIREMENTS:

THE BUILDING STRUCTURE IS DESIGNED IN ACCORDANCE WITH **THE 2023 FLORIDA BUILDING CODE, 8th EDITION**. OTHER CODES IMPLEMENTED FOR DESIGN INCLUDE: ASCE7-22, ACI 318/18/1630, NDS 2019, APA, A.I.S.C., ANSI. FOLLOW ALL APPLICABLE PROVISIONS OF THE FLORIDA BUILDING CODE AND OTHER RELATED CODES FOR ALL PHASES OF CONSTRUCTION.

TEMPORARY CONDITIONS:

THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS ON INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION ONLY.

FOUNDATIONS:

FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF ON COMPACTED FILL. NO GEOTECHNICAL REPORTS AND/OR IN-SITU SOIL DATA WAS GIVEN TO THE STRUCTURAL ENGINEER PRIOR TO DESIGN. THE BEARING CAPACITY USED FOR DESIGN IS BASED ON ALLOWABLE LOADS FROM THE 2023 FLORIDA BUILDING CODE, 8th EDITION, FOR SANDY SOILS WITH NO CLAY, ORGANIC MATERIAL, OR OTHER DELETERIOUS MATERIALS THAT WOULD AFFECT DESIGN BEARING PRESSURE AND THE PERFORMANCE OF THE FOUNDATIONS.

BEFORE CONSTRUCTION COMMENCES, SOIL BEARING CAPACITY SHALL BE VERIFIED BY A SUBSURFACE INVESTIGATION AS WELL AS FIELD AND LABORATORY TESTS PERFORMED BY A CERTIFIED TESTING LABORATORY, WHOSE REPORT SHALL INCLUDE ANALYSIS AND RECOMMENDATIONS FOR SITE PREPARATION IN ORDER TO BEAR THE FOUNDATION LOADS. ABOVE REPORT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW BEFORE FOUNDATION CONSTRUCTION BEGINS.

CONCRETE:

REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO THE FBC AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39, AND SHALL BE AS FOLLOWS:

f _c	ABS W/C	MIN CEMENT/SUMP USE
2,500 PSI	0.58	470 LBS
3,000 PSI	0.58	470 LBS

5" +/- 1" ALL SLABS, MONOLITHIC FOOTINGS, SPREAD FTG
5" +/- 1" TIEBEAMS, COLUMNS, WALLS, ELEVATED SLABS

CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. FLY ASH CONFORMING TO ASTM C618, TYPE F OR TYPE C, MAY BE USED TO REPLACE UP TO 20% OF THE CEMENT CONTENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA. COARSE AGGREGATE SHALL CONFORM TO ASTM C33 WITH A MAXIMUM SIZE OF 3/4". FINE AGGREGATE SHALL BE CLEAN, DURABLE, NATURAL SAND CONFORMING TO ASTM C33.

A WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, SHALL BE INCORPORATED IN CONCRETE DESIGN MIXES. A HIGH-RANGE WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C494, TYPE F OR G, MAY BE USED IN CONCRETE MIXES, PROVIDING THAT THE SLUMP DOES NOT EXCEED 8".

SLEEVES, OPENINGS, CONDUIT, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE POURING. NO SLEEVE, OPENING, OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMNS UNLESS APPROVED BY THE ENGINEER. CONDUITS EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSIONS THAN ONE-THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER.

PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE EDGES, UNLESS NOTED OTHERWISE. WHERE INDICATED OR REQUIRED, SLOPE CONCRETE SLABS TO DRAINS SHOWN ON PLUMBING AND/OR ARCHITECTURAL DRAWINGS. ALL CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS.

WEATHER RESISTANCE:

ALL CONCRETE INCLUDING BALCONY CONCRETE EXPOSED TO CHLORIDES SHALL CONTAIN A CALCIUM-NITRITE BASED CORROSION-INHIBITING ADMIXTURE. THE DOSAGE FOR CONCRETE EXPOSED TO AIRBORNE CHLORIDES SHALL BE MINIMUM 0.10 GALLONS PER CUBIC YARD. THE WATER CONTAINED IN THE CORROSION-INHIBITING ADMIXTURE SHALL BE USED IN THE CALCULATION OF THE WATER-TO-CEMENTITIOUS RATIO OF THE CONCRETE. PROVIDE RHEOCRETE CNI BY MASTER BUILDERS OR APPROVED EQUIVALENT.

CONCRETE BALCONIES OR OTHER CONCRETE FLAT SURFACES EXPOSED TO THE WEATHER THROUGHOUT THE LIFE OF THE BUILDING, SHALL BE TREATED WITH A CLEAR NONFLAMMABLE PENETRATING SEALER OF THE ALKYL ALKOXY SILANE CLASSIFICATION, SUCH AS SONNEBORN PENETRATING SEALER 20, HYDROZO ENVIROSEAL 20, OR OTHER APPROVED WEATHER RESISTANT SYSTEM. APPLICATION AND SURFACE PREPARATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SHORING AND RESHORING:

SHORING AND RESHORING SHALL CONFORM TO ACI 347R-88. SHORING AND SUPPORTING FORMWORK SHALL NOT BE REMOVED FROM HORIZONTAL MEMBERS BEFORE CONCRETE STRENGTH IS AT LEAST 70 PERCENT OF DESIGN STRENGTH, AS DETERMINED BY FIELD CURE CYLINDERS. IN ADDITION, SHORING SHALL NOT BE REMOVED SOONER THAN RECOMMENDED BY ACI 347R-88, SECTION 3.7.2.3. FORMWORK SHALL NOT BE REMOVED IN LESS THAN TEN (10) DAYS.

PRECAST CONCRETE LINTELS:

UNLESS INDICATED OTHERWISE, ALL LINTELS TO BE "U" TYPE PRECAST CONCRETE UNITS EQUAL TO UNITS MANUFACTURED BY CAST CRETE CORP. AND PRESTRESSED (AND ADDITIONALLY REINFORCED AS REQUIRED) IN ACCORDANCE WITH CAST CRETE CORP. "DESIGN MANUAL", LATEST EDITION, FOR THE SPAN AND LOADING CONDITION RELATIVE TO LINTEL LOCATION, LINTEL SIZE IF NOT SHOWN ON THE PLANS SHALL BE 8F8-1B FOR OPENINGS LESS THAN 10 FEET AND 8F16-1B/1T FOR OPENINGS 10 FEET TO 20 FEET. PROVIDE 6" MINIMUM BEARING FOR LINTELS UNLESS NOTED OTHERWISE.

WOOD:

SAWN LUMBER SHALL BE SOUTHERN PINE #2 WITH THE ALLOWABLE FIBER STRESSES PER THE AWC NATIONAL DESIGN SPECIFICATION. ALL MANUFACTURED LUMBER SHALL BE 2.0E GLUED LAMINATED GEORGIA PACIFIC (OR EQUIV.) AND INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS. ALL HEADERS/BEAMS SHOULD BEAR FULLY ON POSTS AND/OR MULTI STUD GROUPS UNLESS NOTED OTHERWISE ON PLANS. CONTACT ENGINEER OF RECORD IF HEADER/BEAMS SIZE IS NOT SPECIFIED.

FRAMING ACCESSORIES AND STRUCTURAL FASTENERS SHALL BE MANUFACTURED BY SIMPSON COMPANY OR USP (OR APPROVED EQUAL) AND OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS. HANGERS NOT SHOWN SHALL BE SIMPSON HU OF SIZE RECOMMENDED FOR MEMBER. ALL CONNECTORS SHALL BE GALVANIZED, UNLESS SHOWN OTHERWISE, INSTALL MAXIMUM SIZE AND NUMBER OF FASTENERS SHOWN IN LATEST SIMPSON CATALOG

ALL FRAMING NAILS SHALL BE COMMON NAILS AND SHALL BE OF THE SIZE AND NUMBER INDICATED ON THE DRAWINGS. MINIMUM NAILING REQ. NOT SHOWN SHALL BE AS INDICATED IN TABLE 2304.9.1 OF THE FBC. INSTALL 10D NAILS UNLESS OTHERWISE SPECIFIED ON THE PLANS OR DETAILS. BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.1. ALL BOLTS AND LAG SCREWS SHALL BE INSTALLED WITH STANDARD CUT WASHERS.

ALL ANCHOR BOLTS AND THREADED ANCHOR RODS SHALL BE IN ACCORDANCE WITH ASTM A307, GRADE A, OR ASTM F1554, GRADE 36. ANCHOR ADHESIVES SHALL BE EITHER SET (EPOXY-TIE) OR AT (ARCYLIC-TIE) BY SIMPSON STRONG-TIE AND INSTALLED ACCORDING TO THE MANUFACTURERS INSTRUCTIONS. ALL DRILLED ANCHOR HOLES SHALL BE CLEANED OF ALL DEBRIS AND BRUSHED OUT PRIOR TO INSTALLATION OF ANCHOR ADHESIVE.

ALL WOOD MEMBERS EXPOSED TO EXTERIOR CONCRETE, MASONRY, WEATHER, OR EARTH SHALL BE PRESSURE TREATED LUMBER, ALL NAILS DIRECTLY EXPOSED TO WEATHER SHALL BE GALVANIZED. FASTENER REQUIREMENTS IN PRESSURE TREATED LUMBER ARE AS FOLLOWS:
ACZA PRESERVATIVE: STANDARD CARBON STEEL.
ACQ & MCO PRESERVATIVE: HOT DIPPED GALVANIZED.
SODIUM BORATE: STAINLESS STEEL CONNECTORS & FASTENERS (NOT REQ. FOR SILL PLATES OVER CONCR. & VAPOR BARRIER NOT DIRECTLY EXPOSED TO EARTH OR WEATHER)

ALL DECKS, GUARDS, RAILS, STAIRS AND OTHER ACCESSORY DECK COMPONENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AWC DCA6 PRESCRIPTIVE GUIDE FOR DECK CONSTRUCTION & THE 2023 FLORIDA BUILDING CODE, 8th EDITION. ALL FASTENERS AND CONNECTORS EXPOSED TO SALT WATER OR LOCATED WITHIN 300 FEET OF A SALT WATER SHORE LINE SHALL BE STAINLESS STEEL GRADE 304 OR 316

ALL EXTERIOR WOOD WALLS WITHOUT OPENINGS SHALL BE CONSIDERED SHEAR WALLS. ALL WOOD DESIGN SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2015 & WITH THE FLORIDA BUILDING CODE, 2023.

PLYWOOD PANELS SHALL CONFORM TO THE REQUIREMENTS OF "U.S. PRODUCT STANDARD PS-1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD" OR APA PRP-108 PERFORMANCE STANDARDS, UNLESS OTHERWISE NOTED. PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS.

PLYWOOD INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANEL EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

ALL SUB-FLOORING, ROOF, AND SHEARWALL SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. STAGGER ENDS OF ADJACENT PANELS 4'-0".

ROOF SHEATHING SHALL BE BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. ATTACH PLYWOOD PANELS TO SUPPORTING MEMBERS WITH 10d NAIL'S SPACED 4" ON CENTER ALONG THE PANEL EDGES AND AT 6" ON CENTER ALONG INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.

SUB-FLOORING SHEATHING SHALL BE UNBLOCKED, EXCEPT AS INDICATED ON DRAWINGS. ATTACH PLYWOOD PANELS TO SUPPORTING MEMBERS WITH 8d NAIL'S SPACED 4" ON CENTER ALONG THE PANEL EDGES AND AT 8" ON CENTER ALONG INTERMEDIATE SUPPORTS, UNLESS NOTED OTHERWISE.

PREFABRICATED WOOD TRUSSES:

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW.

DESIGN AND MANUFACTURE IN ACCORDANCE WITH TPI "DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES", LATEST EDITION.

ROOF TRUSS LOADING: SEE TRUSS MANUFACTURES SIGNED AND SEAL TRUSS SHOP DRAWINGS FOR APPLICABLE TRUSS DESIGN LOADS. TRUSS LOADINGS SHALL BE BASED ON THE PROJECTS DESIGN LOADS AND THE MINIMUM LOAD REQUIREMENTS SET FORTH BY ASCE 7-10 AND THE FLORIDA BUILDING CODE, 2023 RESIDENTIAL.

ALL TRUSS TO TRUSS CONNECTIONS TO BE DESIGNED BY TRUSS MANUFACTURER AND MADE USING TRUSS HANGERS. TRUSS DIAGRAMS, IF SHOWN, ARE DIAGRAMMATIC ONLY. TRUSS DESIGNER TO DETERMINE AND ESTABLISH EXACT HEIGHT, LENGTH, LOCATION, SPACING, AND WEB MEMBER FOR EACH TRUSS. COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL ITEMS INCLUDING AIR HANDLER LOCATIONS, MECHANICAL ROOMS AND DUCT SPACE AND ROUTING.

BUILDER SHALL COORDINATE WITH TRUSS DESIGNER FOR PERMANENT TRUSS BRACING. IF NO BRACING INFORMATION IS PROVIDED, BOTTOM CHORD LATERAL BRACING SHALL BE CONTINUOUS FROM ONE END OF THE BUILDING TO THE OTHER AND SHOULD OVERLAP AT LEAST ONE TRUSS SPACE FOR CONTINUITY. LATERAL BRACING SHALL BE NAILED TO EACH TRUSS WITH A MIN. OF (2) 16d NAILS INCLUDING INTERMEDIATE TRUSSES. SEE TRUSS SHOP DRAWINGS FOR OTHER DETAILS AND SPECIFICATIONS FOR BRACING.

REINFORCING STEEL:

REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, FOR DEFORMED BAR AND ASTM A185 FOR SMOOTH WELDED WIRE FABRIC (WWF), UNLESS OTHERWISE NOTED. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE.

ALL DETAILING AND ACCESSORIES SHALL CONFORM TO ACI DETAILING MANUAL SP.66. PROVIDE CHAIRS, SPACERS, BOLSTERS, AND ITEMS IN CONTACT WITH FORMS WITH HOT, DIP GALVANIZED LEGS OR PLASTIC LEGS. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT BY FORMWORK CONSTRUCTION OR CONCRETE PLACEMENT OPERATIONS. "WET-STICKING" OF REINFORCING IS PROHIBITED.

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE):

FOOTINGS	3" BOTTOM AND SIDES, 2" TOP
SLABS	3/4"
COLUMNS	1-1/2" TO TIES, 2" TOP
BEAMS	1-1/2" TO STIRRUPS
WALLS	1-1/2"

LAP SPlice CONTINUOUS VERTICAL OR HORIZONTAL BARS IN CONCRETE MEMBERS IN ACCORDANCE WITH ACI 318, LATEST EDITION, FOR CLASS "B" TENSION LAP SPLICES. DO NOT SPLICE CONTINUOUS TOP BARS IN BEAMS AT ENDS OF CLEAR SPANS. DO NOT SPLICE CONTINUOUS BOTTOM BARS IN BEAMS IN CLEAR SPANS BETWEEN SUPPORTS. SHOW ALL SPLICES ON SHOP DRAWINGS. SPlice LOCATIONS AND METHODS SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER.

AT SLAB AND WALL OPENINGS PROVIDE A MINIMUM OF (2) #5 BARS ALL FOUR SIDES AND DIAGONALLY; EXTEND THESE BARS A LAP DISTANCE OR A MINIMUM OF 24" PAST THE OPENING OR HOOK BARS IF DISCONTINUOUS.

DOWEL ALL WALLS AND COLUMNS TO FOOTINGS WITH BAR SIZE AND SPACING TO MATCH VERTICAL REINFORCING UNLESS OTHERWISE SHOWN.

MASONRY WALLS:

MASONRY UNITS SHALL MEET ASTM C90, TYPE 2. ASSEMBLIES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1500. MORTAR SHALL BE TYPE "M" OR MEET ASTM C270, GRADE 3.5. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS IN ACCORDANCE WITH ASTM C476. GROUT SHALL CONSIST OF A MIXTURE OF CEMENTITIOUS MATERIALS AND AGGREGATE TO WHICH SUFFICIENT WATER HAS BEEN ADDED TO CAUSE THE MIXTURE TO FLOW WITHOUT SEGREGATION OF THE CONSTITUENTS. GROUT SHALL HAVE A MAX. COURSE AGGR. SIZE OF 3/8" & SHALL BE PLACED WITH A SLUMP OF 8 TO 11 INCHES. ALL CELLS CONTAINING VERTICAL BARS, BOND BEAMS, AND ALL CELLS BELOW GRADE SHALL BE FILLED WITH GROUT. MAXIMUM HEIGHT OF GROUT POUR ALLOWED IS 5'-0" UNLESS CLEAN-OUT OPENING IS PROVIDED AT BOTTOM OF CELLS TO BE FILLED. LOCATE CLEAN-OUT OPENINGS IN AREAS NOT EXPOSED TO VIEW. CLEAN OUT OPENINGS SHALL HAVE A MIN. OPENING DIMENSION OF 3 INCHES.

UNLESS NOTED OTHERWISE EIGHT INCH MASONRY WALLS SHALL BE PARTIALLY REINFORCED MASONRY WALL CONSTRUCTION WITH #5 AT 48 INCH O.C. IN GROUT FILLED CELLS. ADD (1) #5 REINFORCING BAR EACH SIDE OF OPENINGS EXCEEDING 3 FEET.

PROVIDE REINFORCING BARS AT CORNERS, INTERSECTIONS, AND EACH SIDE OF OPENINGS. PROVIDE (2) REINFORCING BARS EACH SIDE OF OPENINGS OVER 4 FEET WIDE. AND AS SHOWN ON THE PLANS. PROVIDE HOOKED DOWELS INTO FOOTINGS AND STRUCTURE ABOVE AND/OR BELOW TO PROVIDE CONTINUITY. PROVIDE 9 GAGE GALVANIZED HORIZONTAL JOINT REINFORCING (DUR-O-WAL OR ENGINEER-APPROVED EQUAL) AT 16" O.C.

DO NOT PLACE CONDUITS, PIPES, ETC., IN CELLS WITH VERTICAL REINFORCING. DO NOT RUN CONDUITS, PIPES, ETC., HORIZONTALLY IN CMU WALLS PARALLEL TO LENGTH OF WALL. WHERE MASONRY WALLS ABUT CONCRETE COLUMNS TO BE PLACED PRIOR TO ERECTION OF MASONRY WALLS, PROVIDE DOVETAIL SLOTS BETWEEN COLUMN AND WALLS AND GROUT THE CMU CELL CONTAINING THE DOVETAIL ANCHORS. OTHERWISE, EXTEND CMU HORIZONTAL JOINT REINFORCING THROUGH CONCRETE COLUMN.

CONTROL JOINTS SHALL BE PROVIDED IN ALL CONCRETE MASONRY CONSTRUCTION AT LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS. HORIZONTAL WALL REINFORCING SHALL BE STOPPED EACH SIDE OF CONTROL JOINTS. SEE ARCHITECTURAL DRAWINGS FOR SEALANT REQUIREMENTS AT CONTROL JOINTS.

USE METAL LATH OR WIRE SCREEN FOR CAVITY CAPS. SHEET METAL, FELT, BUILDING PAPER, OR LIKE MATERIALS ARE PROHIBITED.

BRICK VENEER TIES SHALL BE NO. 9 U.S. GAUGE WIRE OR NO. 22 U.S. GAGE X 7/8" CORRUGATED METAL AND SHALL HAVE A HOOK EMBEDDED INTO THE MORTAR JOINT. TIES SHALL BE PLACED WITHIN 12" OF ALL WALL OPENINGS AND SHALL BE SPACED AT NO MORE THAN 18" O.C. HORIZONTALLY AND VERTICALLY ATTACHED THROUGH THE SHEATHING TO THE WALL STUDS. STEEL LINTELS OVER OPENINGS SUPPORTING BRICK VENEER TO BE IN ACCORDANCE WITH THE TABLE BELOW AND RT03.8.3

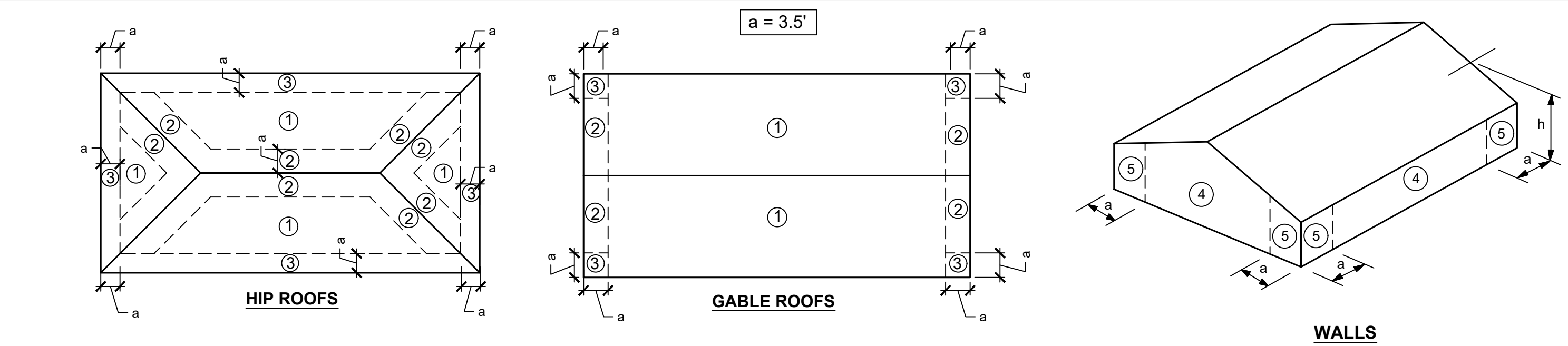
ALLOWABLE SPAN FOR STEEL LINTELS SUPPORTING BRICK VENEER			
SIZE OF STEEL ANGLE	No. STORIES ABOVE	ONE STORY ABOVE	TWO STORIES ABOVE
3"x 3" x 1/2"	6' - 0"	4' - 6"	3' - 0"
4" x 3" x 1/2"	8' - 0"	6' - 0"	4' - 6"
5" x 3.5" x 5/16"	10' - 0"	8' - 0"	6' - 0"
6" x 3.5" x 5/16"	14' - 0"	9' - 6"	7' - 0"
(2) 6" x 3.5" x 5/16"	20' - 0"	12' - 0"	9' - 0"
* LONG LEG OF STEEL ANGLE SHALL BE PLACED IN A VERTICAL POSITION			

DESIGN CRITERIA:

DESIGN WAS BASED ON STRENGTH AND DEFLECTION CRITERIA OF THE 2023 FLORIDA BUILDING CODE 8th EDITION. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN, WITH LIVE LOADS REDUCED PER THE 2023 FBC:

	LIVE LOAD	DEAD LOAD	DEFLECTION
ROOF:	20 PSF	10 PSF	L/240 - L/180
CEILING:	10 PSF	5 PSF	L/240 - L/180
FLOOR:	40 PSF	15 PSF	L/360 - L/240
DECK:	50 PSF	15 PSF	L/360 - L/240
WALLS:	PER WIND CHART	ASCE7-22 TBL. C3-1	L/240 - BRITTLE L/180 - FLEXIBLE

ULTIMATE WIND SPEED:	130 MPH	PER ASCE 7-22
NOMINAL WIND SPEED:	101 MPH	PER FBC R301.2.1.3
EXPOSURE:	C	PER ASCE 7-22
IMPORTANCE FACTOR:	1.0	CATEGORY II
INTERNAL PRESSURE COEFF +/- 0.18	ENCLOSED (PROTECTED OPENINGS)	
COMPONENTS & CLADDING PRESSURES PER TABLE & CHARTS ON THIS PAGE.	NO	
WIND BORNE DEBRIS REGION	NO	



SIMPSON CONNECTOR SCHEDULE	
CLIPS, STRAPS, OR TIES	FASTENERS
A34	(8) 8d X 1.5" NAILS TOTAL (FILL ALL HOLES)
A35	(12) 8d X 1.5" NAILS TOTAL (FILL ALL HOLES)
AC4/6	(14) 16d X 3.5" NAILS IN POST & BEAM (28 TOTAL)
BC4	(6) 16d X 3.5" NAILS IN EACH FLANGE (12 TOTAL)
BC46	(6) 16d X 3.5" IN POST FLANGE, (1) 16d IN BEAM FLANGE (18 TOTAL)
BC6	(12) 16d X 3.5" NAILS IN EACH FLANGE (24 TOTAL)
CS14	SYP: (30) 8d X 2.5"(16" END LENGTH) SPF: (36) 8d X 2.5" (19" END LENGTH)
CS16	SYP: (22) 8d X 2.5"(13" END LENGTH) SPF: (26) 8d X 2.5" (15" END LENGTH)
CS20	SYP: (14) 8d X 2.5"(9" END LENGTH) SPF: (16) 8d X 2.5" (9" END LENGTH)
DSP	(8) 10d X 3" IN STUDS, (6) 10d X 3" IN DBL. PLT/(2) 10d X 3" IN SINGLE PLT.
GBC	(5) 8d X 1.5" IN BRACE, (7) 8d X 2.5" IN TOP PLATES (12 TOTAL)
H2.5A/T	(5) 8d X 2.5" IN RAFTER/TRUSS, (5) 8d X 2.5" IN PLATES (10 TOTAL)
H3	(4) 8d X 2.5" IN RAFTER/TRUSS, (4) 8d X 2.5" IN PLATES (8 TOTAL)
H6	(8) 8d X 2.5" IN STUDS, (8) 8d X 2.5" IN PLATES (16 TOTAL)
H8	(5) 10d X 1.5" IN RAFTER/TRUSS OR STUD, (5) 10d X 1.5" IN PLATES (10 TOTAL)
HTS16	(16) 10d X 1.5" NAILS TOTAL(FILL ALL HOLES)
HTS20-36	(24) 10d X 1.5" NAILS TOTAL (FILL ALL HOLES)
LGT2 (2PLY)	(14) 10d X 3.25" IN STUDS, (16) 10d X 3.25" IN GIRDER (30 TOTAL)
LGT3 (3PLY)	(26) 10d X 3.25" IN STUDS, (12) 1/4" X 2.5" SDS IN GIRDER (38 TOTAL)
LGT4 (4 PLY)	(30) 10d X 3.25" IN STUDS, (16) 1/4" X 3" SDS IN GIRDER (46 TOTAL)
LS70	(10) 10d X 1.5" NAILS TOTAL (FILL ALL HOLES)
LS90	(12) 10d X 1.5" NAILS TOTAL (FILL ALL HOLES)
LTP4	(12) 10d X 1.5" NAILS TOTAL (FILL ALL HOLES)
LTS12, 16, 20	(12) 10d X 1.5" NAILS TOTAL (FILL ALL HOLES)
MSTA12	(10) 10d X 2.5" NAILS TOTAL (FILL ALL HOLES)
MSTA18	(14) 10d X 2.5" NAILS TOTAL (FILL ALL HOLES)
MSTA24	(18) 10d X 2.5" NAILS TOTAL (FILL ALL HOLES)
MTS 12, 16, 24, 30	(14) 10d X 1.5" NAILS TOTAL (FILL ALL HOLES)
SP1	(6) 10d X 3" IN STUDS, (4) 10d X 3" IN PLATES (10 TOTAL)
SP2	(6) 10d X 3" IN STUDS, (6) 10d X 3" IN PLATES (12 TOTAL)
SPH4, 6, 8	(12) 10d X 1.5" NAILS TOTAL (FILL ALL HOLES)
SSP	(4) 10d X 3" IN STUDS, (3) 10d X 3" IN DBL. PLT/(1) 10d X 3" IN SINGLE PLT.
TSP	(9) 10d X 1.5" IN STUDS, (6) 10d X 1.5" IN DBL. PLT (15 TOTAL)

SYMBOL LEGEND			
WALL SECTION		CALL OUT	
		CUT/ MATCH LINE	
ELEVATION		ELEVATION DATUM	
		SLAB STEP (INCHES)	
DETAIL			

WIND PRESSURES ON WALLS & ROOFS ³

EFFECTIVE AREA OF OPENING/ROOF ZONE	ROOF ZONES			EXTERIOR WALLS		
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	
0 TO 10	16.9	-36.4	16.9	-58.0	16.9	-68.9
10.1 TO 20	15.4	-32.9	15.4	-49.6	15.4	-58.4
20.1 TO 50	13.4	-28.3	13.4	-38.4	13.4	-44.7
50.1 TO 100	11.9	-24.8	11.9	-29.8	11.9	-34.2

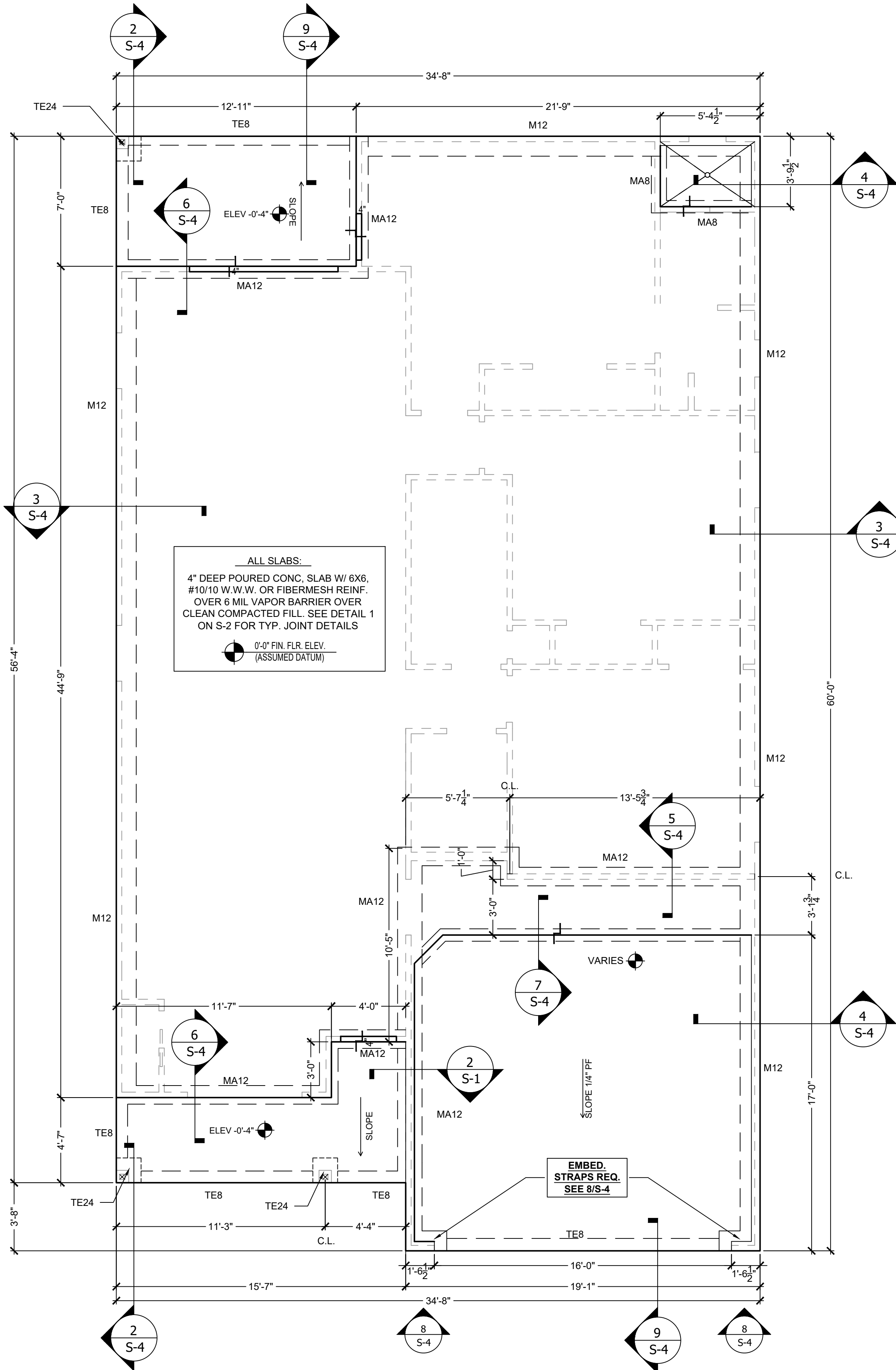
- WIND PRESSURES SHOWN ABOVE ARE FOR STRUCTURES WITH A MEAN ROOF HEIGHT OF 30 FEET OR LESS WITH A ROOF PITCH B/T 2/12 AND 12/12 (VERT./HORIZ.). IF THE STRUCTURE IS OUTSIDE THESE PARAMETER PLEASE CONTACT THE ENGINEER.
- THE EFFECTIVE AREA IS EQUAL TO THE LENGTH * WIDTH OF THE PROPOSED OPENING OR SPAN. THE WIDTH SHALL BE PERMITTED TO BE NOT LESS THAN 1/4 OF THE SPAN LENGTH. THE EFFECTIVE AREA FOR FASTENERS SHALL NOT BE GREATER THAN THE TRIBUTARY AREA B/T FASTENERS.
- ALL WIND PRESSURE VALUES IN POUNDS PER SQ. FT.(PSF) & ARE CONSIDERED NOMINAL VALUES(ASD).

ZONE CHARTS

ABBREVIATIONS

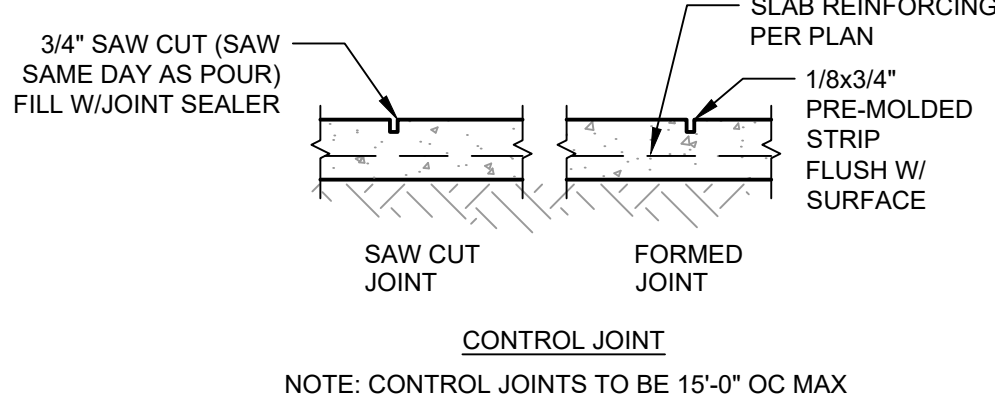
BM	BEAM
B/T	BETWEEN
CONN.	CONNECTION
CONT.	CONTINUOUS
CL	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
DL	DEAD LOAD
EOR	ENGINEER OF RECORD
EXT.	EXTERIOR
FBC	FLORIDA BUILDING CODE (2023, 8th EDITION)
FFE	FINISHED FLOOR ELEVATION
FTG	FOOTING
FPA	FLORIDA PRODUCT APPROVAL
INT.	INTERIOR
LG	LENGTH
LL	LIVE LOAD
LVL	LAMINATED VENEER LUMBER (2.0E, 1 3⁄8" WIDE MIN. U.N.O.)
MAX.	MAXIMUM
MIN.	MINIMUM
OR	"OR" MEANS THAT EITHER OPTION PROVIDED IS SUFFICE FOR THE APPLICATION
O.C.	ON CENTER SPACING
OPT	OPTIONAL
OSB	ORIENTED STAND BOARD (APA RATED MIN.)
PCF	POUNDS PER SQUARE FEET
PLYW.	PLYWOOD (APA RATED MIN.)
PSF	POUNDS PER SQUARE FEET
PSI	POUNDS PER SQUARE INCH
SS	STAINLESS STEEL
STAGG.	STAGGERED
SPF	SPRUCE-PINE-FIR
SYP	SOUTHERN YELLOW PINE (No. 2 MIN.)
SW	SHEAR WALL
T/G	TOGETHER
T&G	TONGUE AND GROOVE
TYP	TYPICAL
U.N.O.	UNLESS OTHERWISE NOTED
w/	WITH
w/o	WITHOUT
W.W.M/F	WELDED WIRE MESH OR FABRIC

2023 MARTIN ENGINEERING, LLC. DRAWINGS, WRITTEN MATERIAL, AND DESIGN CONCEPTS SHALL NOT BE USED OR REPRODUCED IN WHOLE OR PART IN ANY FORM OR FORMAT WITHOUT PRIOR WRITTEN CONSENT FROM MARTIN ENGINEERING, LLC. DO NOT SCALE DRAWINGS. USE GIVEN DIMENSIONS ONLY. IF NOT SHOWN, VERIFY CORRECT DIMENSIONS WITH THE ENGINEER. DIMENSIONS ARE CONSIDERED APPROXIMATE. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE.

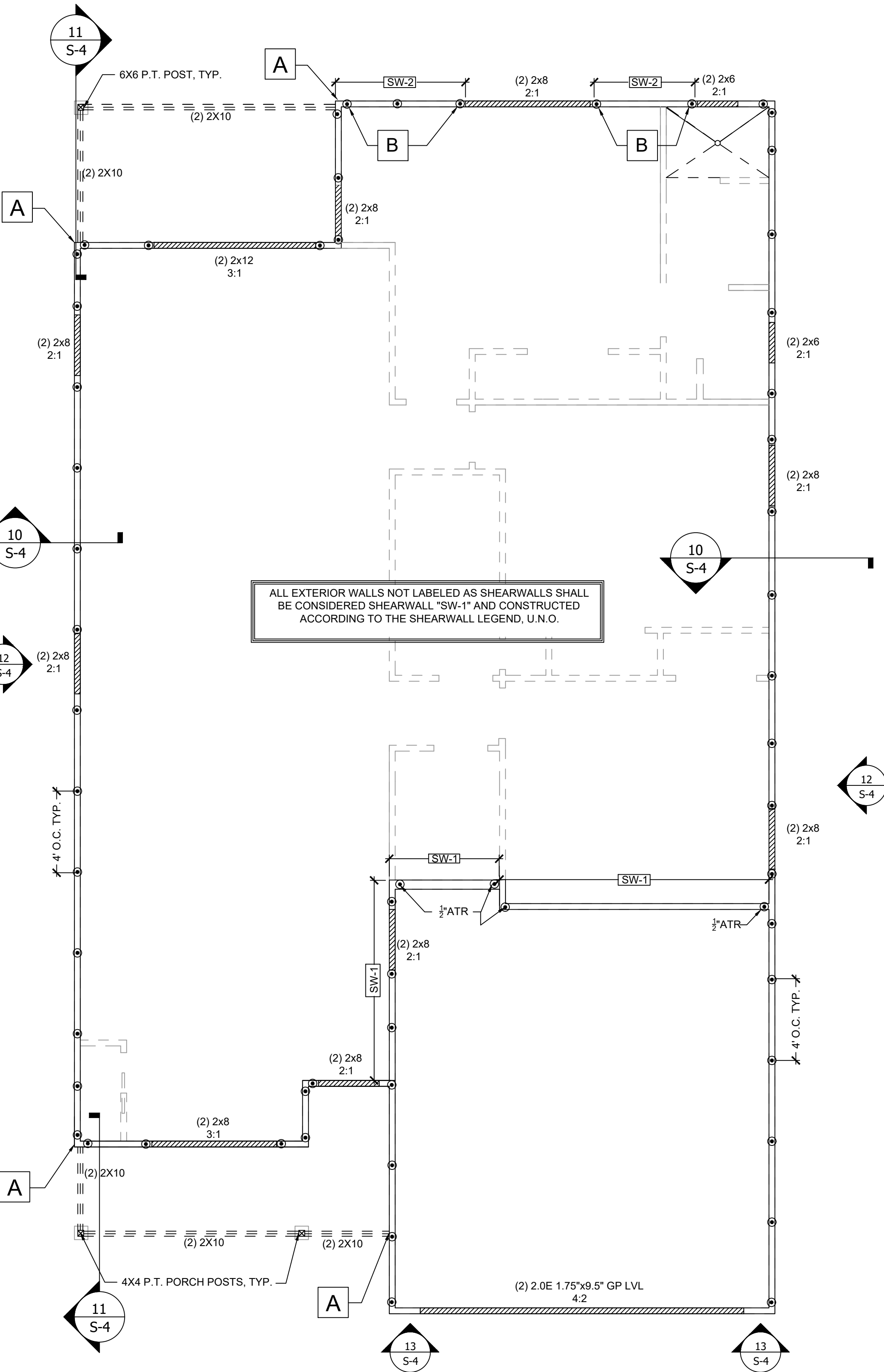


TYPE MARK	WIDTH	LENG.	THICKNESS	REINFORCING			TYPE
				BOTTOM	TOP	TRANSVERSE	
M12	1' - 0"	CONT.	1' - 0"	(2) #5 CONTINUOUS	N/A	N/A	EXTERIOR MONOLITHIC
MA8	8"	CONT.	1' - 0"	N/A	(1) #4 CONT. IN STEP	N/A	NON-BEARING STEP FTG.
MA12	1' - 0"	CONT.	1' - 0"	(2) #5 CONTINUOUS	N/A	N/A	INTERIOR MONOLITHIC
TE8	8"	CONT.	1' - 0"	(1) #5 CONTINUOUS	N/A	N/A	THICKENED EDGE
TE24	2 - 0"	2 - 0"	1' - 0"	(2) #5 EACH WAY	N/A	N/A	THICKENED EDGE FTG.

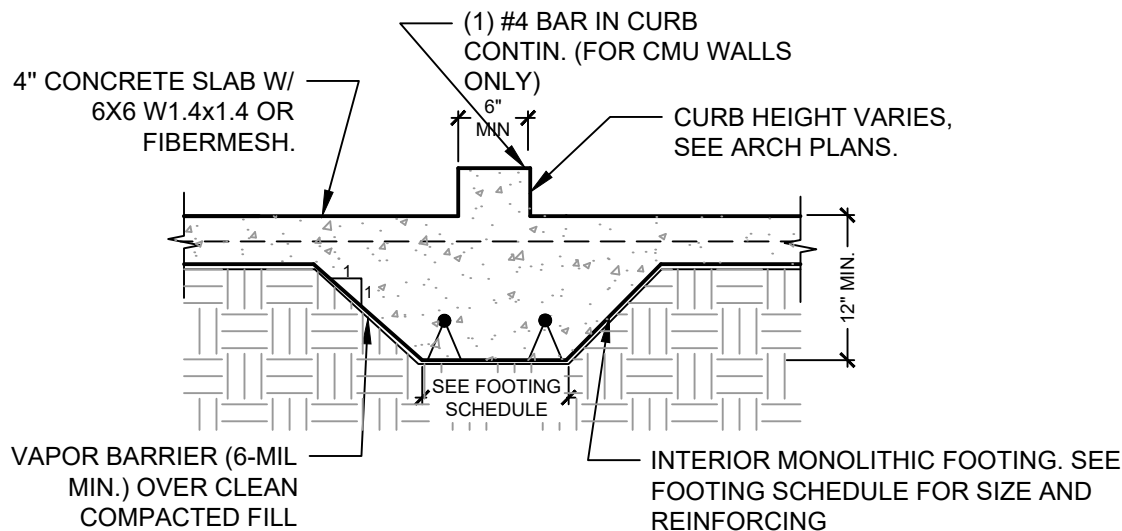
FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



1 TYP. SLAB JOINT DETAILS



FRAMING PLAN
SCALE: 1/4" = 1'-0"



2 INTERIOR MONO. W/ CURB.

STRUCTURAL SHEATHING LEGEND

TYPE	SHEATHING	FASTENERS	SHEATHING AREAS		
			EDGES	FIELD	GABLE ENDS
ROOF	15/32" OSB/PLY	8d RING SHANK	6" o.c.	6" o.c.	4" o.c. FIELD & EDGES 4" FROM ROOF EDGE/END WALL
FLOOR	23/32" T&G OSB/PLY	10d COMMON (GLUED & NAILED)	6" o.c.	6" o.c.	
**PORCH CEILINGS	3/8" OSB/PLY	8d COM./BOX	3" o.c.	6" o.c.	
WALLS	7/16" (MIN.) OSB/PLY	8d COM./BOX (U.N.O.)	SEE SHEAR WALL LEDGED		

- ALL WOOD STRUCTURAL SHEATHING SHALL BE APA RATED, EXPOSURE 1.
- STRUCTURAL WOOD PANELS NOMINAL THICKNESS & SPAN RATINGS SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
7/16" = 437' THICKNESS - 24/16 SPAN RATING
15/32" = 488' THICKNESS - 32/16 SPAN RATING
19/32" = 594' THICKNESS - 40/20 SPAN RATING
23/32" = 719' THICKNESS - 48/24 SPAN RATING
- ALL ROOF SHEATHING SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO THE ROOF SUPPORTS.
- SHEATHING/SUBSTRATES & FASTENINGS FOR EACH ROOFING TYPE SHALL BE IN ACCORDANCE W/ THE FLORIDA PRODUCT APPROVAL.
- FASTENERS FOR ROOF SHEATHING GREATER THAN 1/2" SHALL BE 8d COMMON, 131x2 7/8" RING SHANK NAILS U.N.O.
- 2x BLOCKING FOR EDGE NAILING SHALL BE INSTALLED IF NOTED ON THE PLANS.

SHEAR WALL LEGEND

ID	SHEATHING	VERTICAL EDGES	HORIZONTAL EDGES	FIELD	SILL ANCHORS (STUBBIES)	#END STUDS/HOLDOWNS
SW-1	7/16"	8d AT 6"	8d AT 6"	8d AT 12"	48" O.C.	2/ATR(3/4")
SW-2*	7/16"	8d AT 3"	8d AT 3"	8d AT 6"	24" O.C.	2/ATR(3/4")

* SW-2 SHEATHING TO BE INSTALLED HORIZONTALLY W/ BLOCKED EDGES

- ALL SHEATHING MUST BE MINIMUM OF 5/8" RATED OSB OR PLYWOOD & FASTENED PER THE TYPICAL DETAILS.
- SHEATHING MAY BE INSTALLED HORIZONTALLY OR VERTICALLY (U.N.O.). ALL HORIZONTAL EDGES MUST BE FULLY BLOCKED W/ 2x FRAMING LAID FLAT AGAINST BACK SIDE OF SHEATHING FOR NAILING.
- A MINIMUM GAP OF 1/8" AT SHEATHING JOINTS MUST BE MAINTAINED.
- HOLDOWNS MUST BE PLACED AT EACH END OF SHEARWALL, U.N.O. SEE FRAMING PLAN/DETAILS FOR HOLDOWNS TYPES, LOCATIONS & INSTALLATION SPECS.
- ALL SILL ANCHORS (STUBBIES) SHALL BE A MIN. OF 1/2" IN DIA. W/ 3"x3"x1/4" SQUARE WASHER & NUT. PLACE ANCHORS ON EACH SIDE OF PLATE SPLICE. SEE TYPICAL ANCHOR DETAILS FOR INSTALLATION SPECS. FULL HT. ALL THREAD RODS MAY BE USED IN LIEU OF STUBBIES PROVIDED THE MINIMUM STUBBIE SPACING IS MAINTAINED.
- EXTERIOR STUCCO FINISH REQUIRES A MIN. 15/32" RATED SHEATHING INSTALLED HORIZONTALLY W/ 2x FLAT WISE BLOCKED EDGES.
- MINIMUM END STUDS FOR EACH SHEAR WALL SECTION ARE SHOWN IN TABLE ABOVE AND SHALL BE CONSTRUCTED PER THE TYPICAL CORNER FRAMING DETAIL.
- SHEARWALL FASTENING SHOULD BE CONSTRUCTED PER THE TYPICAL SHEATHING FASTENING DETAILS AND NOTES.

FASTENER LEGEND

NAIL	DIAMETER	LENGTH
8d COM./BOX	0.131"0.113"	2 1/2"
8d RINGSHANK	0.113"	2 3/4"
10d x 1 1/2"	0.148"	1 1/2"
10d COMMON	0.148"	3"
10d RINGSHANK	0.120"	2 3/4"
12d COMMON	0.148"	3 1/2"
16d COMMON	0.162"	3 1/2"

- ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED ON THE PLANS.
- INSTALL 10d NAILS IF NOT OTHERWISE NOTED ON THE PLANS.
- INSTALL THE APPROPRIATE FASTENERS FOR PRESSURE TREATED LUMBER. SEE NOTES ON SHEET S-1.

FRAMING LEGEND

	STRUCTURAL BEARING WALLS
	OPENING HEADER BEAMS
	PORCH BEAMS & OTHERS
	GIRDER ROOF TRUSS
	POSTS/COLUMNS
	SHEARWALL SEGMENTS

1/2" THREADED ROD AT 48" O.C. (U.N.O.) W/ 3"x3"x0.228" SQ. WASHER FROM DBL. TOP PLATE TO FTG. DRILL & EPOXY W/ MIN. 7" EMBEDMENT. PLACE WITHIN 3" OF HEADER STUD GROUP, TRUSS BEARINGS, AND AT END OF EACH SHEARWALL SEGMENT WHERE SHOWN. INSTALL PER TYP. ANCHOR DETAILS ON S-4.

No. OF PLIES
SIZE OF HEADER
QUANTITY OF KING STUDS
QUANTITY OF JACK STUDS

A PLACE DBL. STUD GROUP UNDER PORCH BEAM IN EXTERIOR WALL. NOTCH BEAM AT TOP PLATE & (3" max). INSTALL (1) A.T.R. WITHIN 3" OF BEAM BEARING. INSTALL PER TYP. ANCHOR DETAILS

B INSTALL HTTS HOLDOWNS AT SHEARWALL ENDS. FASTEN TO FTG. W/ 1/2" THREADED RODS DRILLED AND EPOXIED MIN. 7" EMBED. FILL ALL HOLES W/ 16d NAILS.

STRUCTURE IS LOCATED IN A WIND-BORNE DEBRIS LOCATION. ALL EXTERIOR OPENINGS SHALL BE PROTECTED PER FBC R301.2.1.2

REVISIONS

DATE	DESCRIPTION	No.

FOUND./FRAMING PLAN

NEW SINGLE FAMILY
1256 S.W. SCRUBTOWN RD.
FORT WHITE, FL 32038

MARTIN ENGINEERING, LLC.

450 STATE ROAD 13 N., #106-387
JACKSONVILLE, FL 32259
904-472-1459
FL C.A.# 32027



PROJECT #: 23-1004

DESIGNED: KCM

DRAWN: KCM

SCALE: AS NOTED

ISSUED: 10/29/23

REVISION-1: 5/17/24

REVISION-2:

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY KEVIN C. MARTIN, P.E. FL80359 ON 5/17/24 USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

SHEET

S-2

TRUSS NOTES:

- ALL TRUSSES SHALL BE DESIGNED AND APPROVED BY THE DELEGATED TRUSS ENGINEER AND BE LICENSED IN THE STATE OF FLORIDA.
- ALL TRUSSES SHALL BE DESIGNED TO MEET OR EXCEED THE ULTIMATE WIND SPEED, EXPOSURE CATEGORY, AND LOADINGS SPECIFIED ON THE STRUCTURAL NOTES PAGE S-1.
- ALL ROOF AND FLOOR TRUSS ENGINEERING SHALL MATCH THE PROVIDED LAYOUT SHOWN IN THESE PLANS. ANY VARIATIONS FROM THE PROVIDED LAYOUTS SHOULD BE REPORTED TO THE ENGINEER OF RECORD BEFORE CONSTRUCTION BEGINS.
- TRUSSES MUST BE CAPABLE OF TRANSFERRING LATERAL LOADS TO THE STRUCTURAL LOAD BEARING WALLS SHOWN ON THE FRAMING PLAN.
- UPLIFTS HAVE BEEN CALCULATED BY THE ENGINEER OF RECORD AND ALL CONNECTIONS FROM TRUSSES TO STRUCTURE HAVE BEEN SPECIFIED AND SHOULD BE FOLLOWED. ANY QUESTIONS AS TO THE SIZE, TYPE, OR VALUE OF A NAIL, STRAP OR CLIP SHOULD BE VERIFIED BY THE STRUCTURAL ENGINEER.
- PERMANENT TRUSS WEB BRACING SHALL BE INSTALLED WITH THE SAME QUANTITY AND LOCATIONS SHOWN ON THE TRUSS ENGINEERING SHOP DRAWINGS. CONTINUOUS LATERAL BRACING SHALL BE IN ACCORDANCE WITH THE DETAILS
- GYPSON CEILING: FASTENING SHALL BE IN ACCORDANCE w/ TABLE R702.3.5 OF THE FBC.
- TABLE 2304.9.1 OF THE FLORIDA BUILDING CODE NAILING REQUIREMENTS ARE IN ADDITION TO THE STRAPPING REQUIREMENTS.
- PROVIDE 5/8" TYPE X GYP. BD. @ GARAGE CLG. BENEATH HABITABLE SPACE & 1/2" MIN GYP. BD. @ GARAGE SIDE WALLS & UNDERSIDE OF STAIRWAY IF USED AS ACCESSIBLE SPACE.
- ALL TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING SHALL BE IN ACCORDANCE WITH BCSI 1-03 MANUAL (BUILDING COMPONENT SAFETY INFORMATION) PRODUCED BY THE SBCEA AND TPI.

OVER FRAMING NOTES:

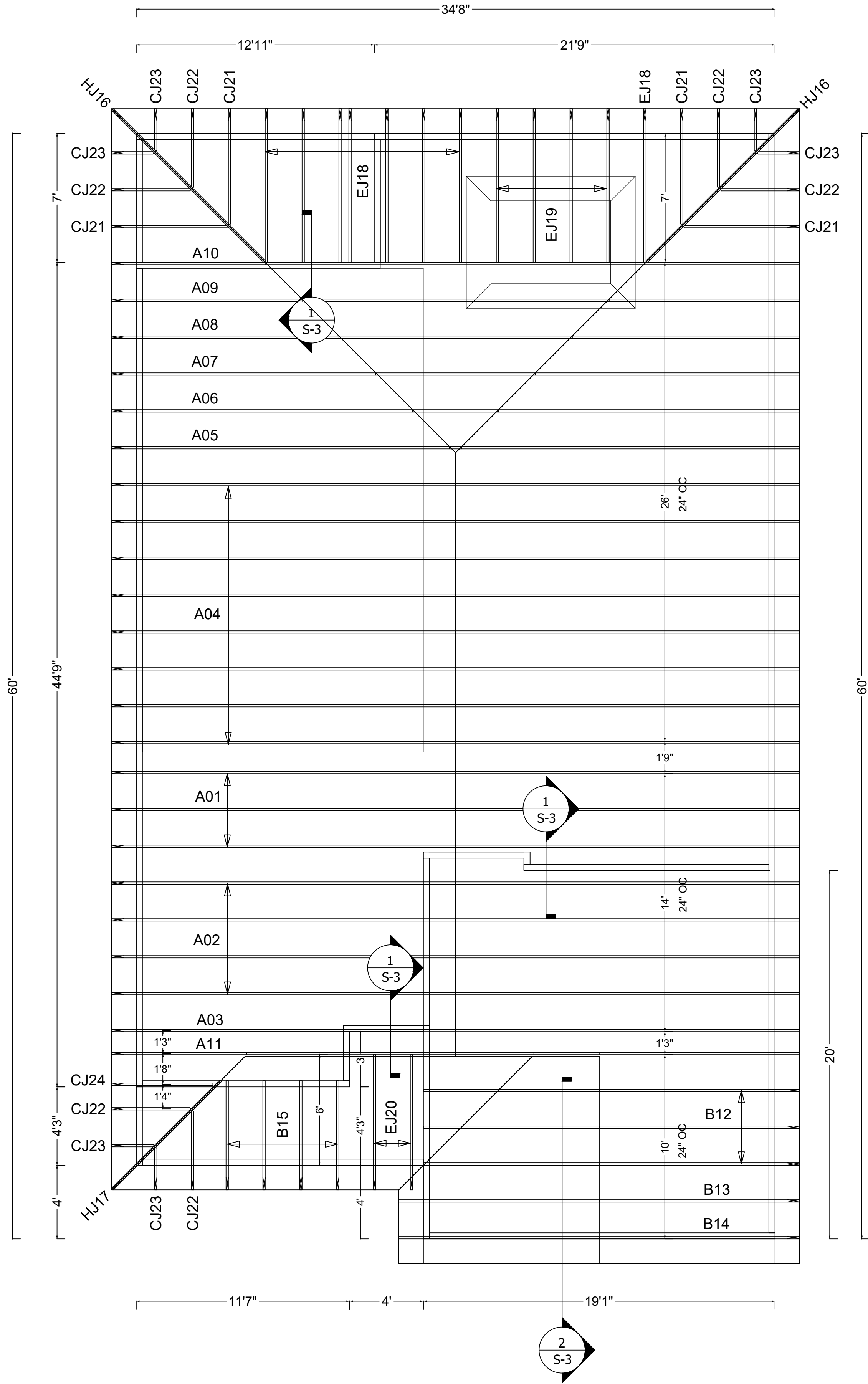
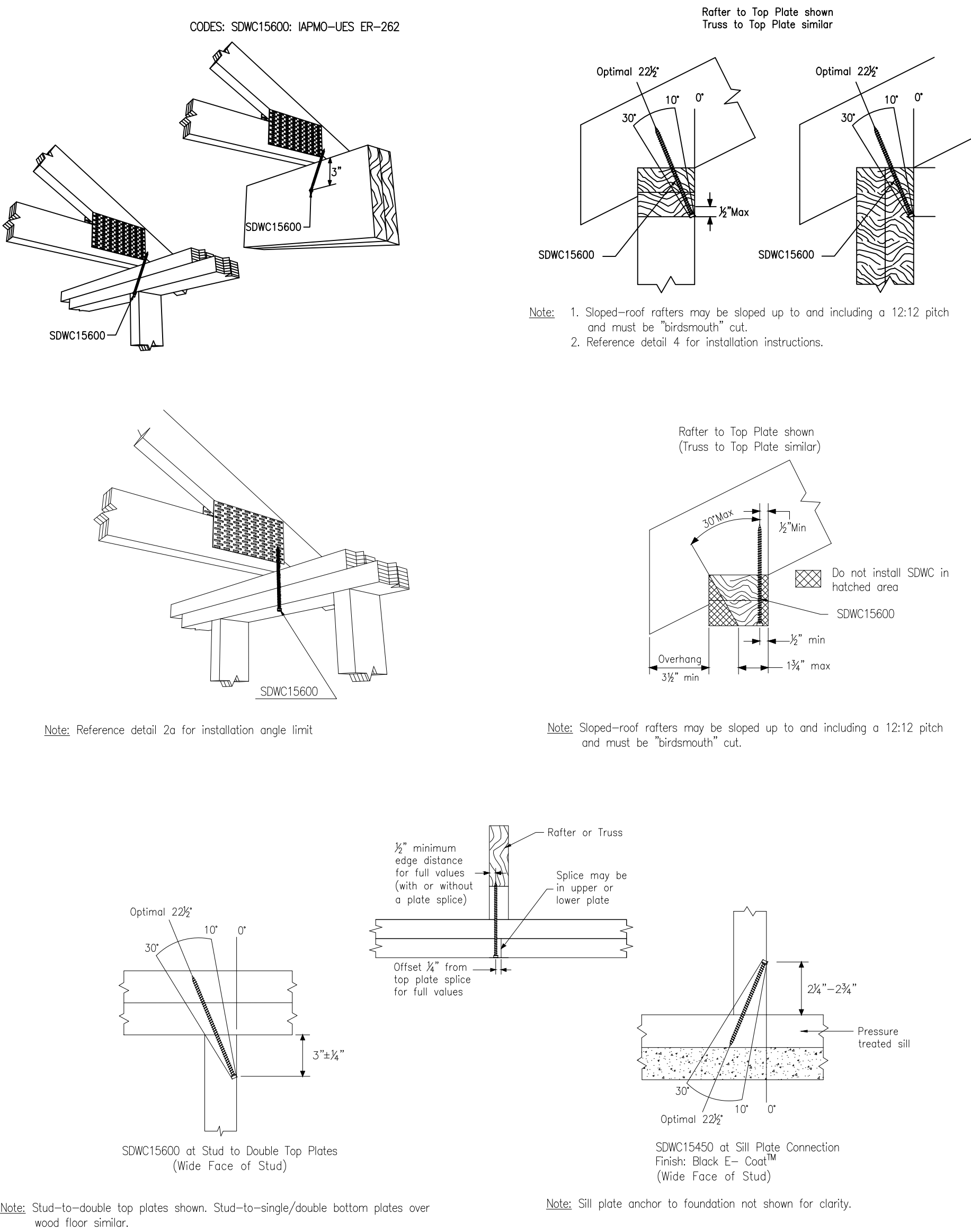
- ALL ROOF FRAMING MATERIALS SHALL BE 2x6(MIN.) No. 2 SOUTHERN YELLOW PINE (SYP) AT 24" O.C., U.N.O.
- ALL ROOF RAFTERS AND COLLAR TIES TO BE A MIN. OF 2x6 No. 2 SYP. RIDGE BOARDS TO BE MIN. OF 2x8 No. 2 SYP.
- ALL SLEEPERS TO BE A MIN. OF 2x8 No. 2 SYP FASTENED TO EACH TRUSS/RAFTER BELOW w/ (2) #10x3.5" W.D. SCREWS & WASHERS.
- FASTEN ROOF RAFTERS TO RIDGE BOARDS AND "SLEEPERS" W/ SIMPSON A35 CLIPS, U.N.O.
- FASTEN COLLAR TIES TO ROOF RAFTERS W/ (5) 10d NAILS AT EACH END.
- COLLAR TIES SHALL NOT TO BE FASTENED LOWER THAN 2/3 OVERALL ROOF RAFTER HEIGHT.

TRUSS TO TOP PLATE CONNECTOR SCHEDULE

TRUSS	TRUSS END	INTERIOR BEARING POINTS	TRUSS END
	UPLIFT/CONNECTOR	UPLIFT/CONNECTOR	UPLIFT/CONNECTOR
A10/A11	<2,620# / 2	<2,620# / 2	<2,620# / 2
ALL OTHER TRUSSES**	<805# / 1	<805# / 1	<805# / 1

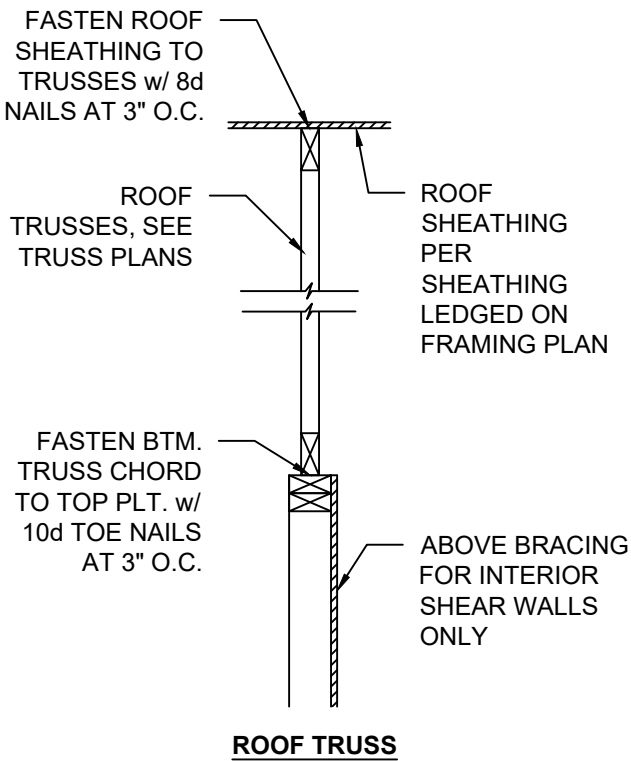
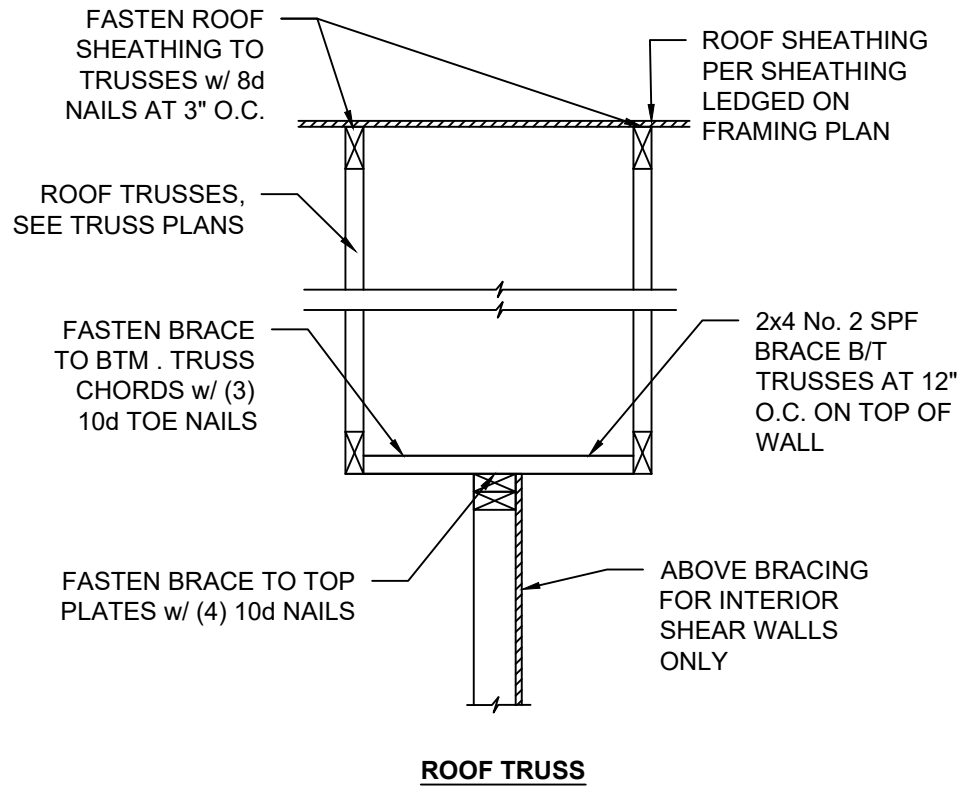
- SIMPSON **SDWC15600** TRUSS SCREWS THROUGH TOP PLATES/HEADERS INTO TRUSSES
 - DOUBLE (2) **SIMPSON SDWC15600** TRUSS SCREWS(SIMPSON CONFIG. B PER DETAIL ON THIS SHEET BELOW) (1,195#)
- AND
- (1) **HTS16** TWIST STRAP. FILL ALL HOLES w/ 10d NAILS
- ** MULTI-PLY TRUSSES MUST HAVE (1) UPLIFT CONNECTOR PER TRUSS PLY UNLESS NOTED OTHERWISE.

SDWC 15600/15450 TRUSS SCREW INSTALLATION

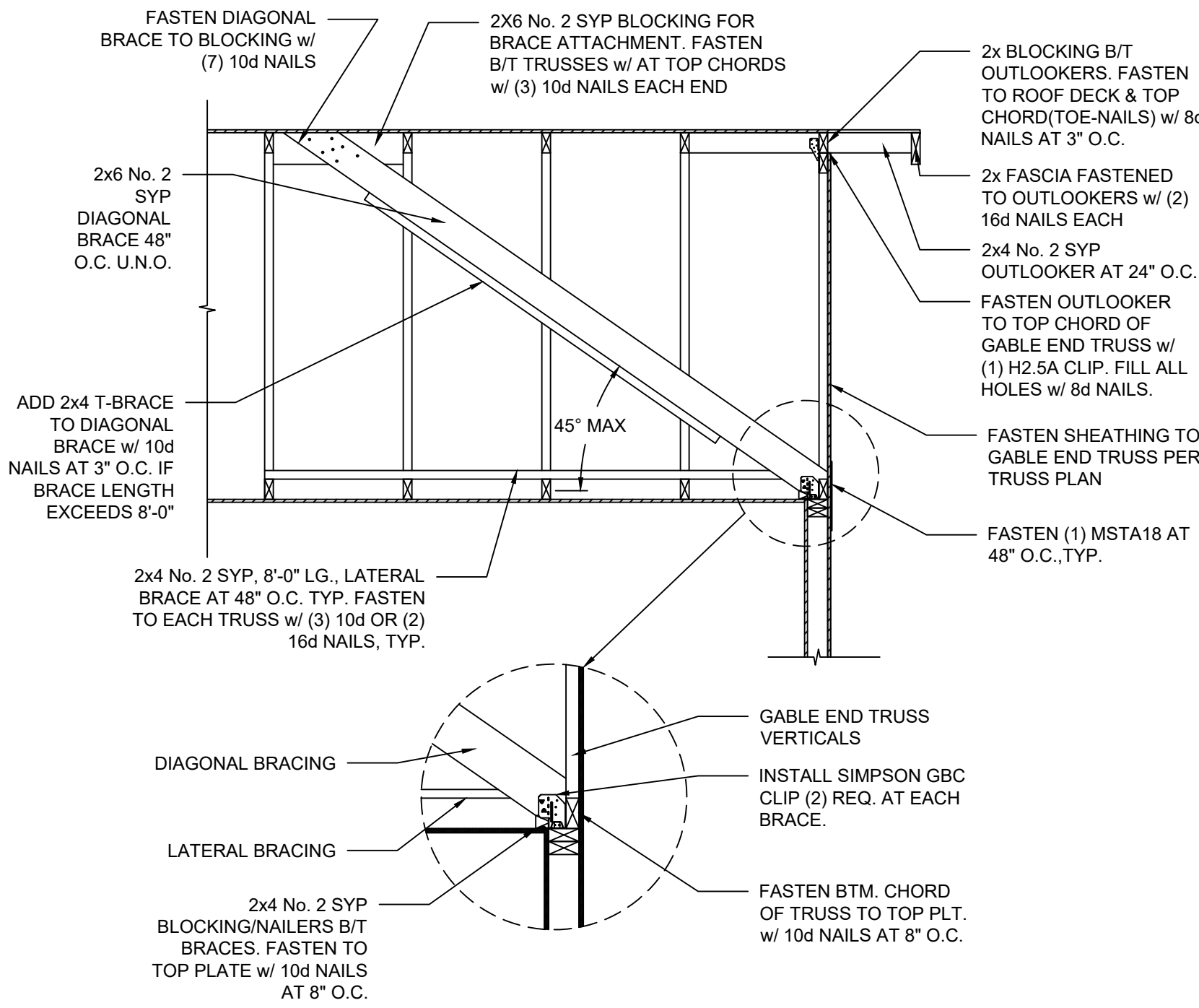


TRUSS PLAN

SCALE: 1/4" = 1'-0"



1 TRUSS TO SHEARWALL BRACING



2 GABLE END BRACING DETAIL

REVISIONS

DATE	DESCRIPTION	No.

TRUSS LAYOUT

NEW SINGLE FAMILY
1256 S.W. SCRUBTOWN RD.
FORT WHITE, FL 32038

MARTIN ENGINEERING, LLC.

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SHEET

S-3

